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Figure 1

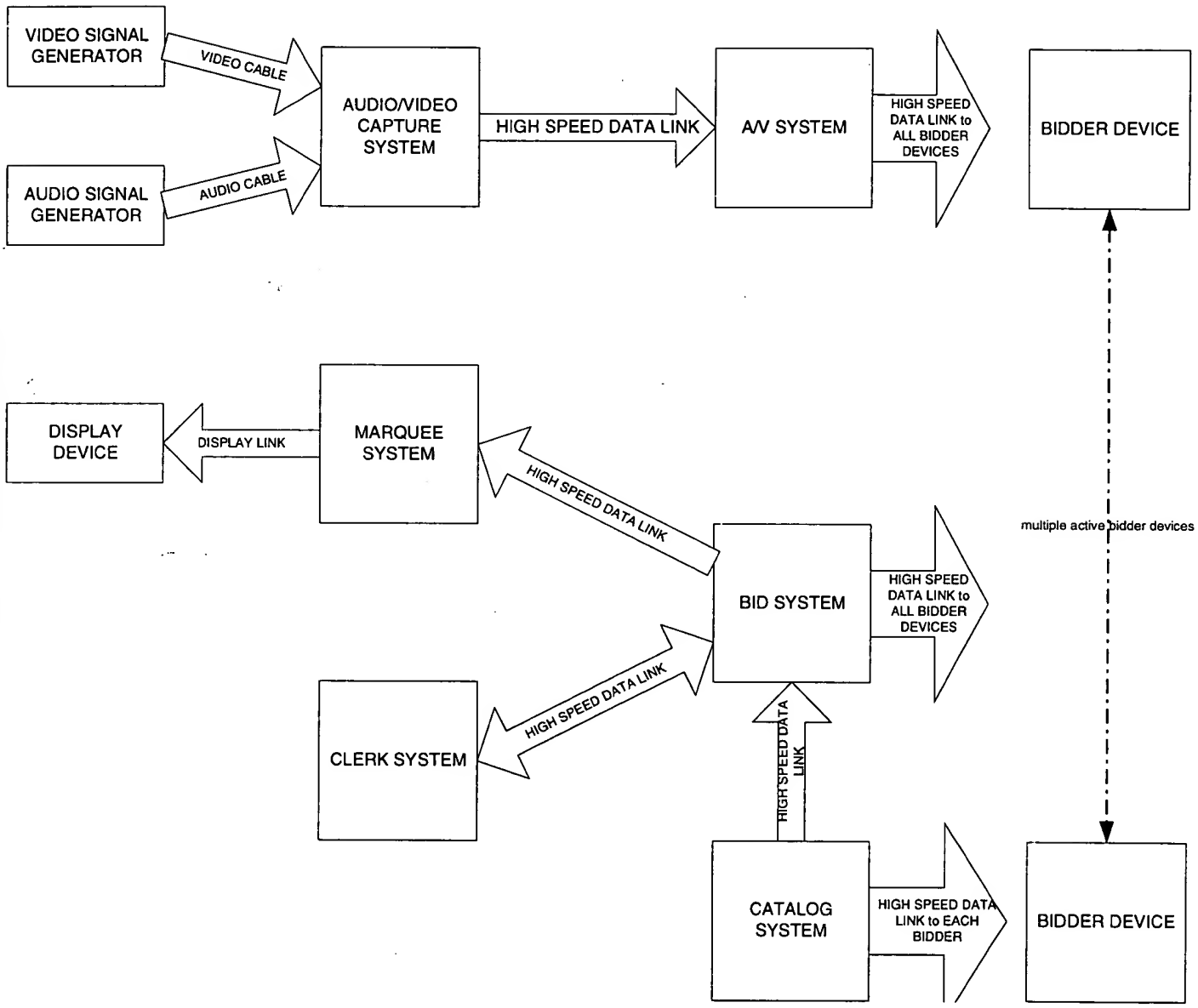

VIDEO SIGNAL GENERATOR
VIDEO CABLE
AUDIO SIGNAL GENERATOR
AUDIO CABLE
AUDIO/VIDEO CAPTURE SYSTEM
HIGH SPEED DATA LINK
A/V SYSTEM
HIGH SPEED DATA LINK to ALL BIDDER DEVICES
BIDDER DEVICE
DISPLAY DEVICE
DISPLAY LINK
MARQUEE SYSTEM
HIGH SPEED DATA LINK
BID SYSTEM
HIGH SPEED DATA LINK to ALL BIDDER DEVICES
multiple active bidder devices
CLERK SYSTEM
HIGH SPEED DATA LINK
HIGH SPEED DATA LINK
CATALOG SYSTEM
HIGH SPEED DATA LINK to EACH BIDDER
BIDDER DEVICE

Figure 2

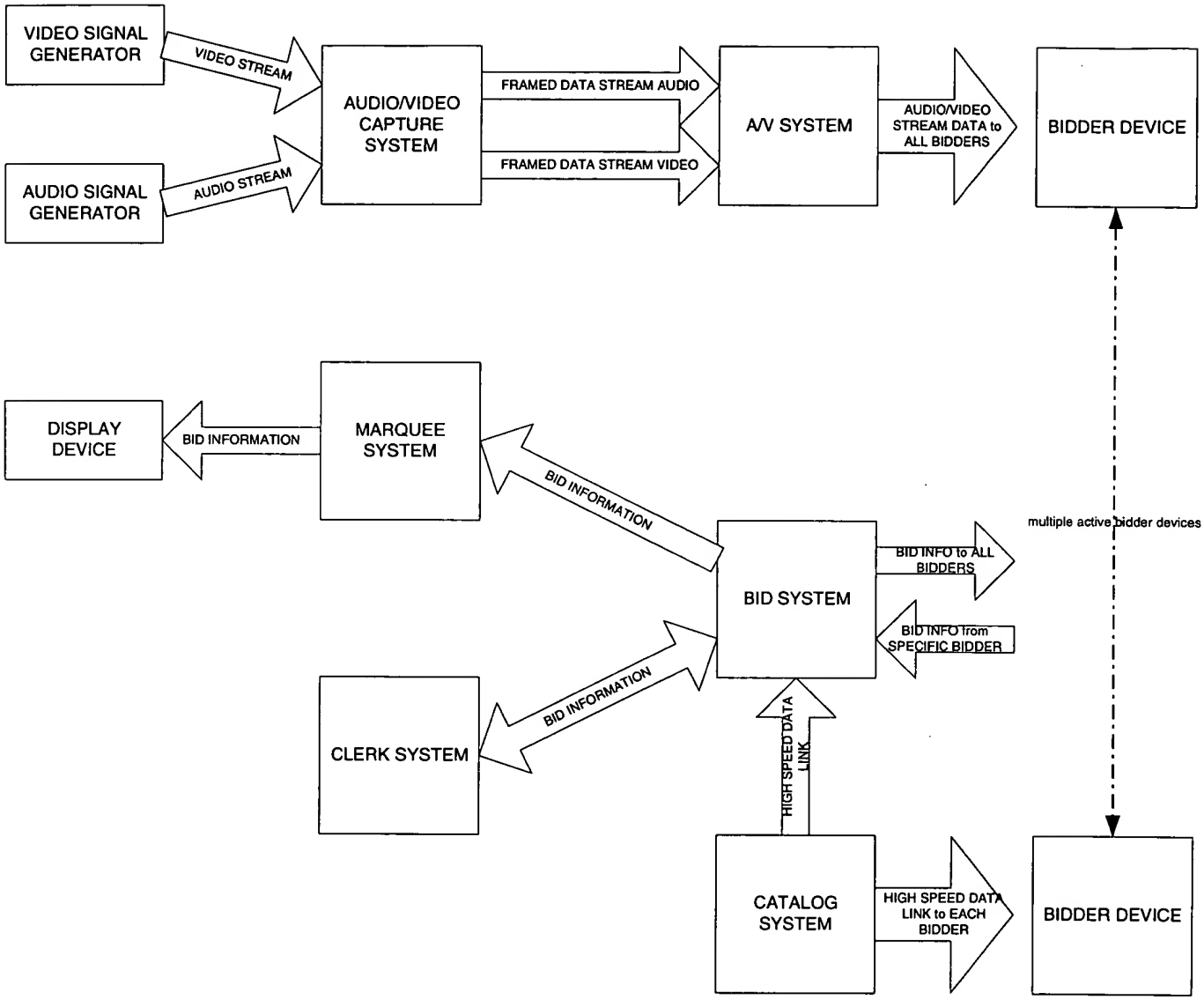
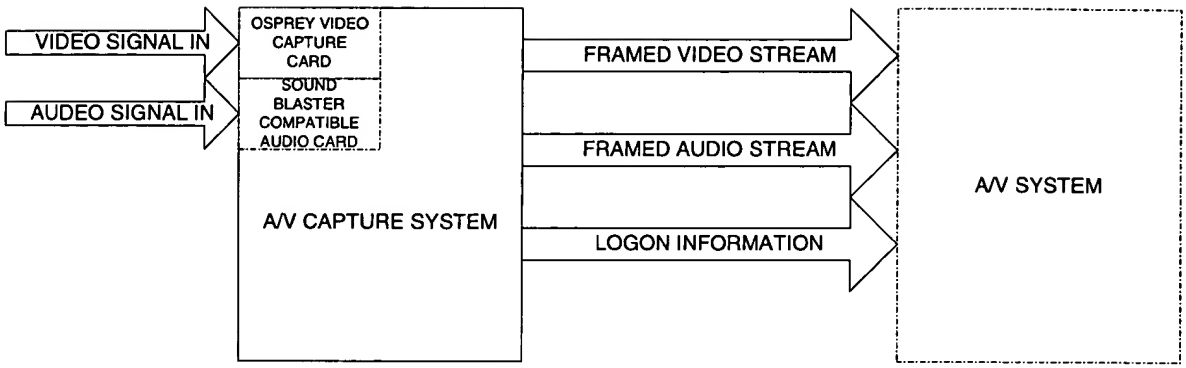
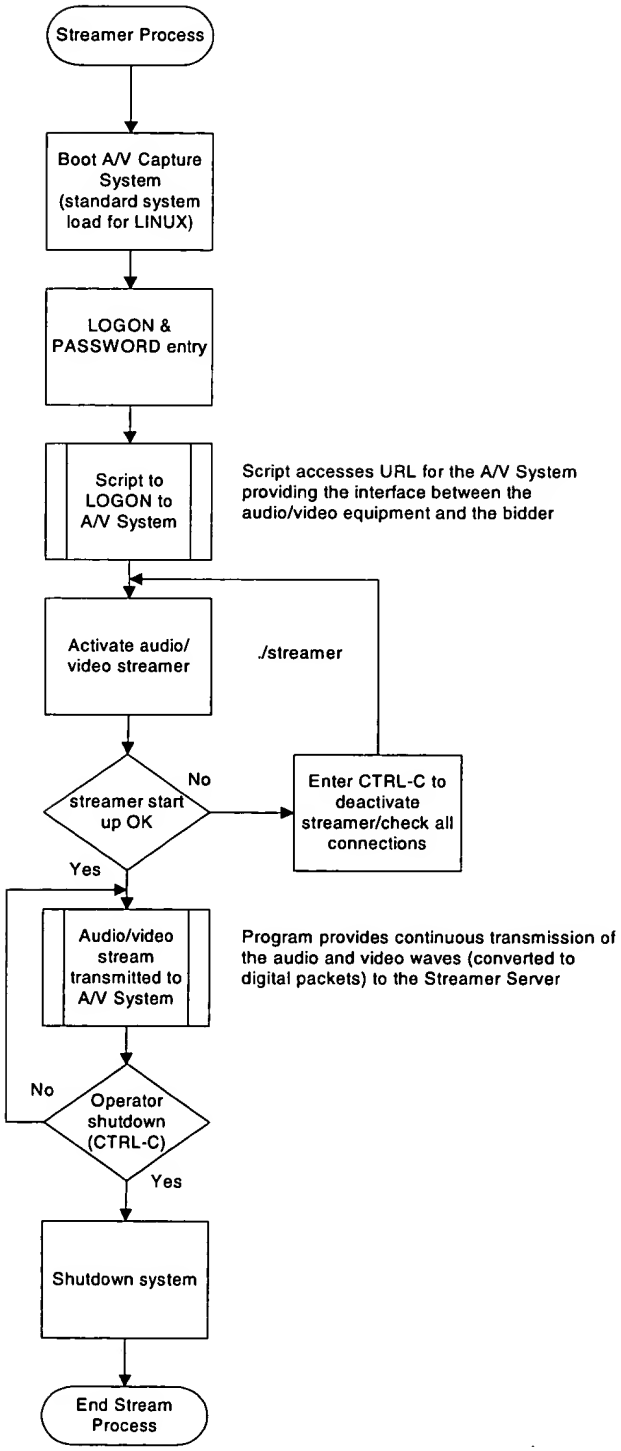

VIDEO SIGNAL GENERATOR
VIDEO STREAM
AUDIO SIGNAL GENERATOR
AUDIO STREAM
AUDIO/VIDEO CAPTURE SYSTEM
FRAMED DATA STREAM AUDIO
FRAMED DATA STREAM VIDEO
A/V SYSTEM
AUDIO/VIDEO STREAM DATA to ALL BIDDERS
BIDDER DEVICE
DISPLAY DEVICE
BID INFORMATION
MARQUEE SYSTEM
BID INFORMATION
BID SYSTEM
BID INFO to ALL BIDDERS
BID INFO from SPECIFIC BIDDER
multiple active bidder devices
CLERK SYSTEM
BID INFORMATION
HIGH SPEED DATA LINK
CATALOG SYSTEM
HIGH SPEED DATA LINK to EACH BIDDER
BIDDER DEVICE

Figure 3



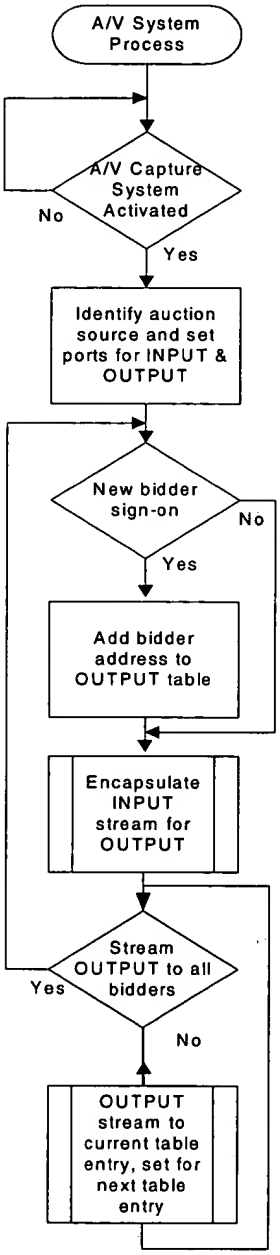
Docket No. 50277-0504

Figure 4



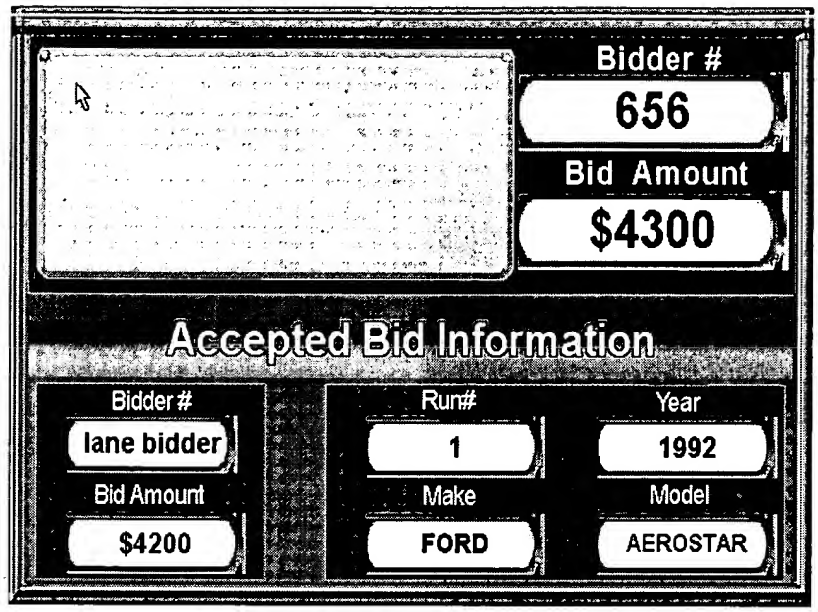
0605454.05504

Figure 5



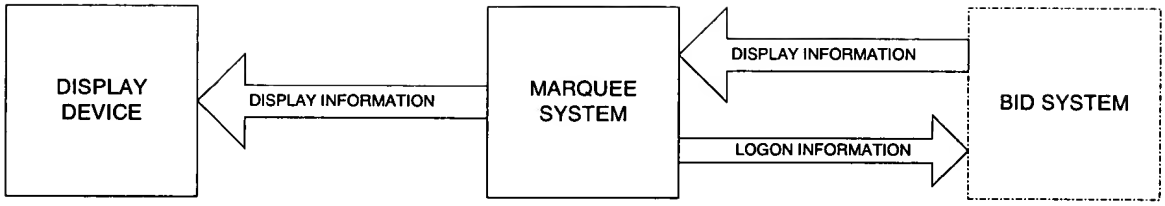
D9804.0504

Figure 6



Reload

Figure 6A



D0054.0055

Figure 7

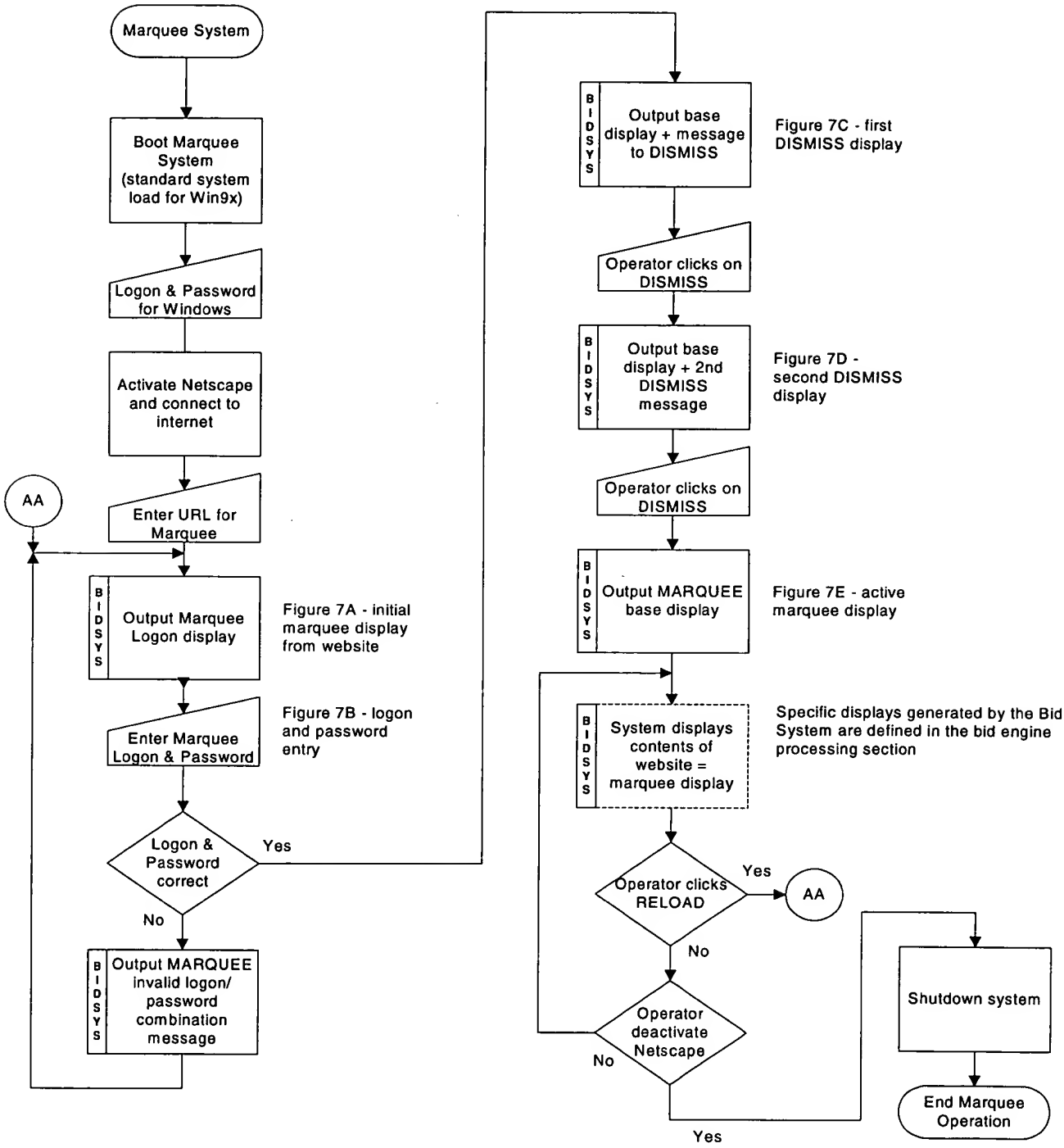

Marquee System
Boot Marquee System (standard system load for Win9x)
Logon & Password for Windows
Activate Netscape and connect to internet
Enter URL for Marquee
AA
BIDSYS
Output Marquee Logon display
Figure 7A - initial marquee display from website
Enter Marquee Logon & Password
Figure 7B - logon and password entry
Logon & Password correct
Yes
No
BIDSYS
Output MARQUEE invalid logon/ password combination message
BIDSYS
Output base display + message to DISMISS
Figure 7C - first DISMISS display
Operator clicks on DISMISS
BIDSYS
Output base display + 2nd DISMISS message
Figure 7D - second DISMISS display
Operator clicks on DISMISS
BIDSYS
Output MARQUEE base display
Figure 7E - active marquee display
BIDSYS
System displays contents of website = marquee display
Specific displays generated by the Bid System are defined in the bid engine processing section
Operator clicks RELOAD
Yes
AA
No
Operator deactivate Netscape
No
Yes
Shutdown system
End Marquee Operation

Figure 7A

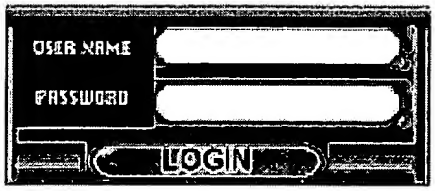


Figure 7B

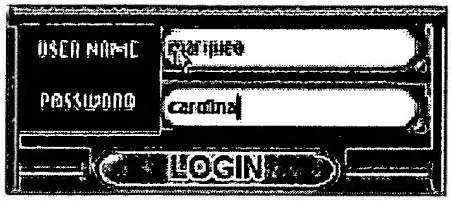


Figure 7C

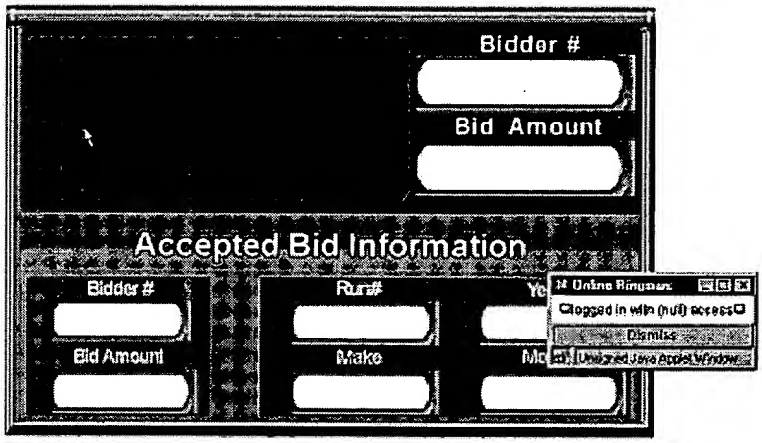


Figure 7D

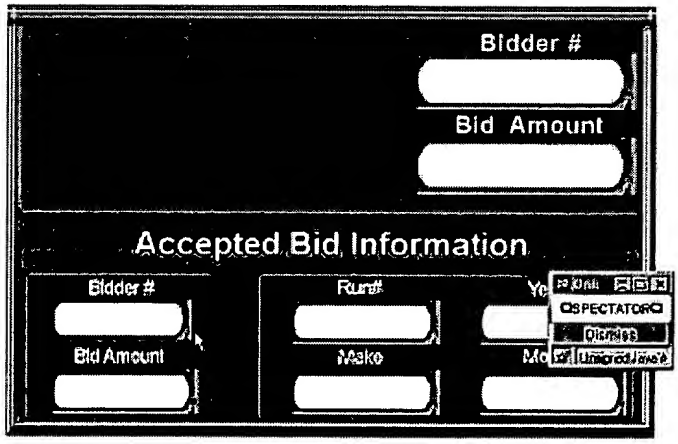
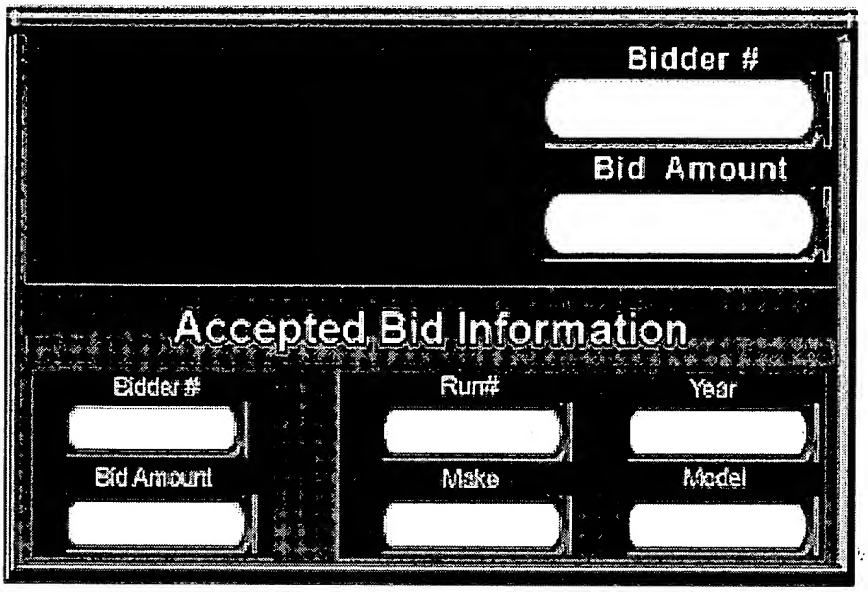


Figure 7E



Client Docket No. 2005-0054

Figure 8A

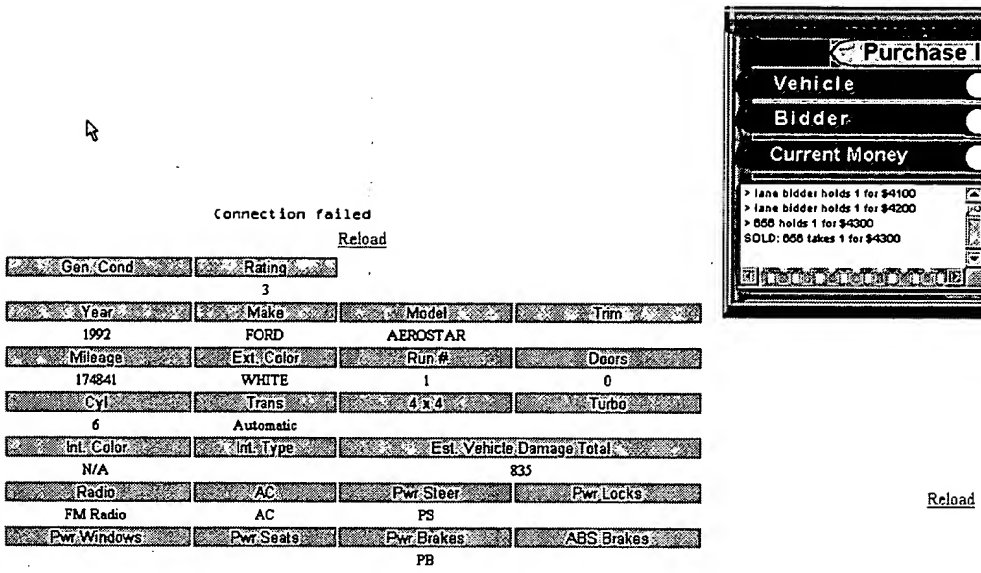


Figure 8B

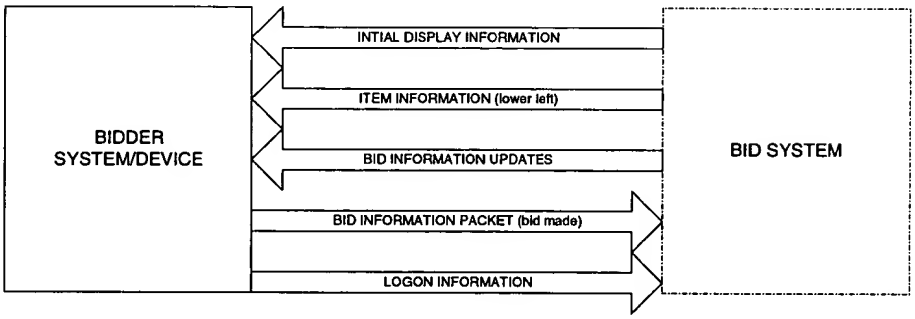


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Figure 9

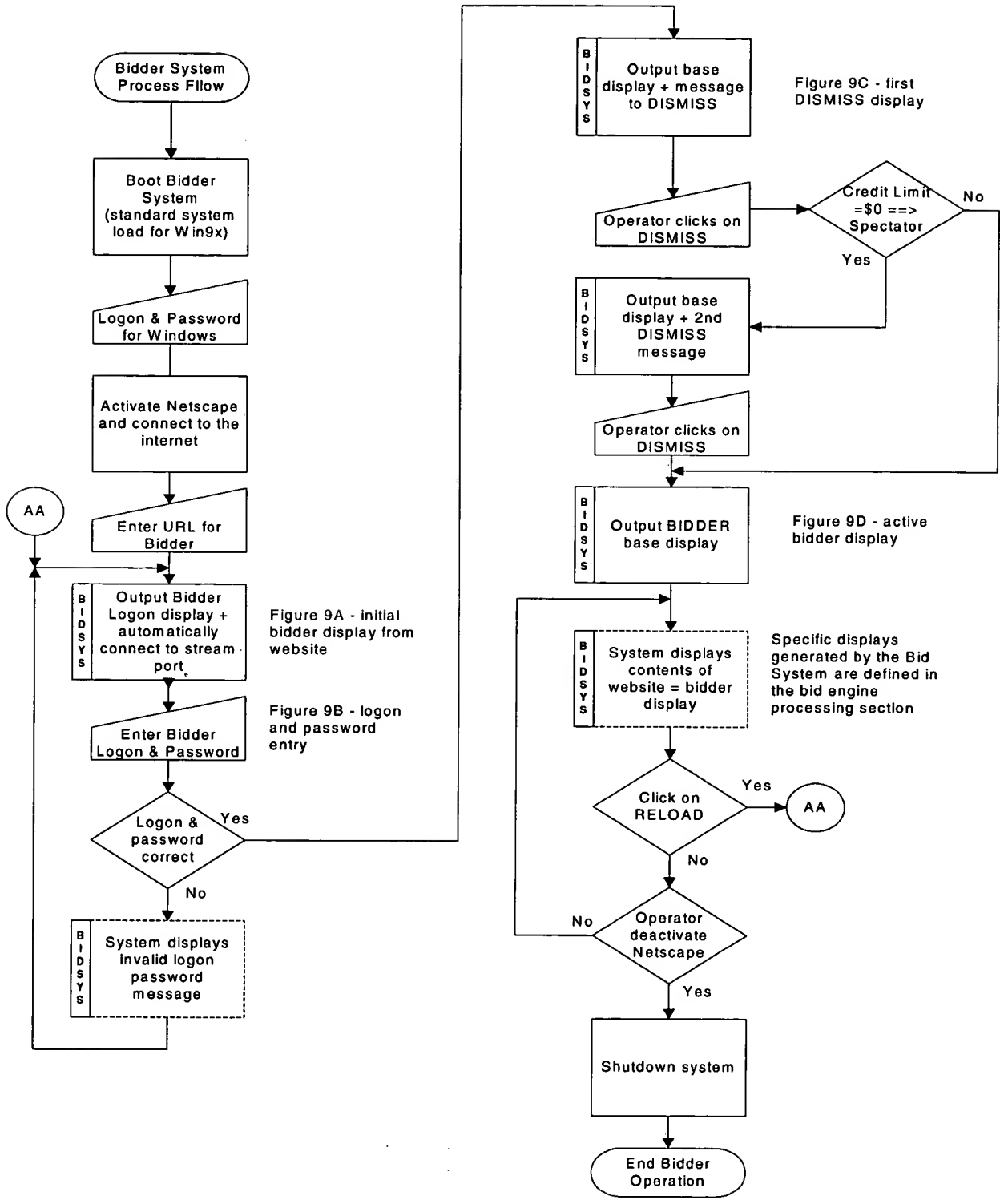

Bidder System Process Fllow
Boot Bidder System (standard system load for Win9x)
Logon & Password for Windows
Activate Netscape and connect to the internet
Enter URL for Bidder
AA
BIDSYS
Output Bidder Logon display + automatically connect to stream port
Figure 9A - initial bidder display from website
Enter Bidder Logon & Password
Figure 9B - logon and password entry
Logon & password correct
Yes
No
BIDSYS
System displays invalid logon password message
BIDSYS
Output base display + message to DISMISS
Figure 9C - first DISMISS display
Operator clicks on DISMISS
Credit Limit =$0 ==> Spectator
No
Yes
BIDSYS
Output base display + 2nd DISMISS message
Operator clicks on DISMISS
BIDSYS
Output BIDDER base display
Figure 9D - active bidder display
BIDSYS
System displays contents of website = bidder display
Specific displays generated by the Bid System are defined in the bid engine processing section
Click on RELOAD
Yes
AA
No
No
Operator deactivate Netscape
Yes
Shutdown system
End Bidder Operation

Figure 9A

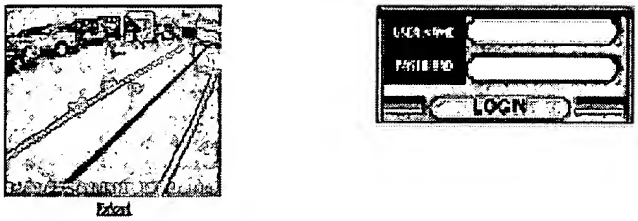


Figure 9B

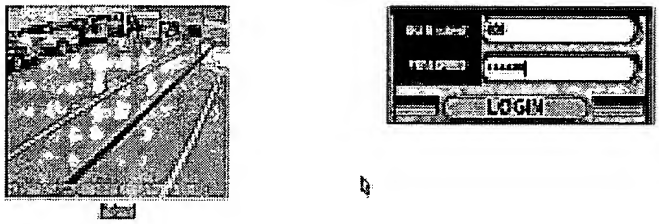


Figure 9C

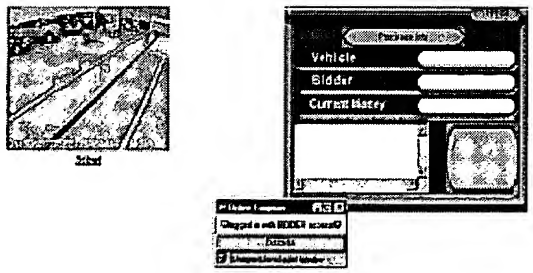
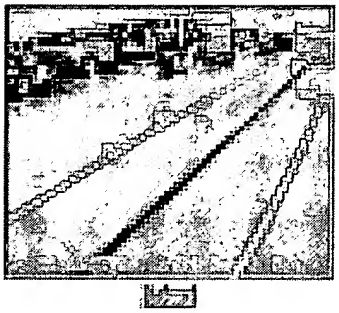


Figure 9D



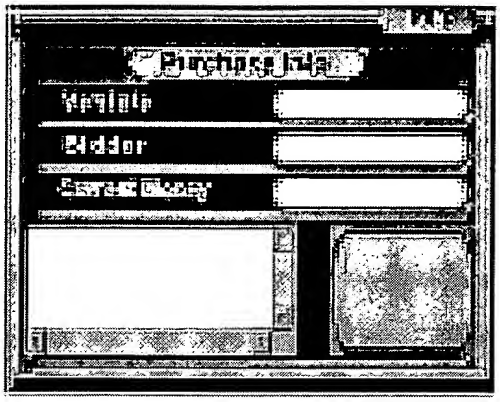
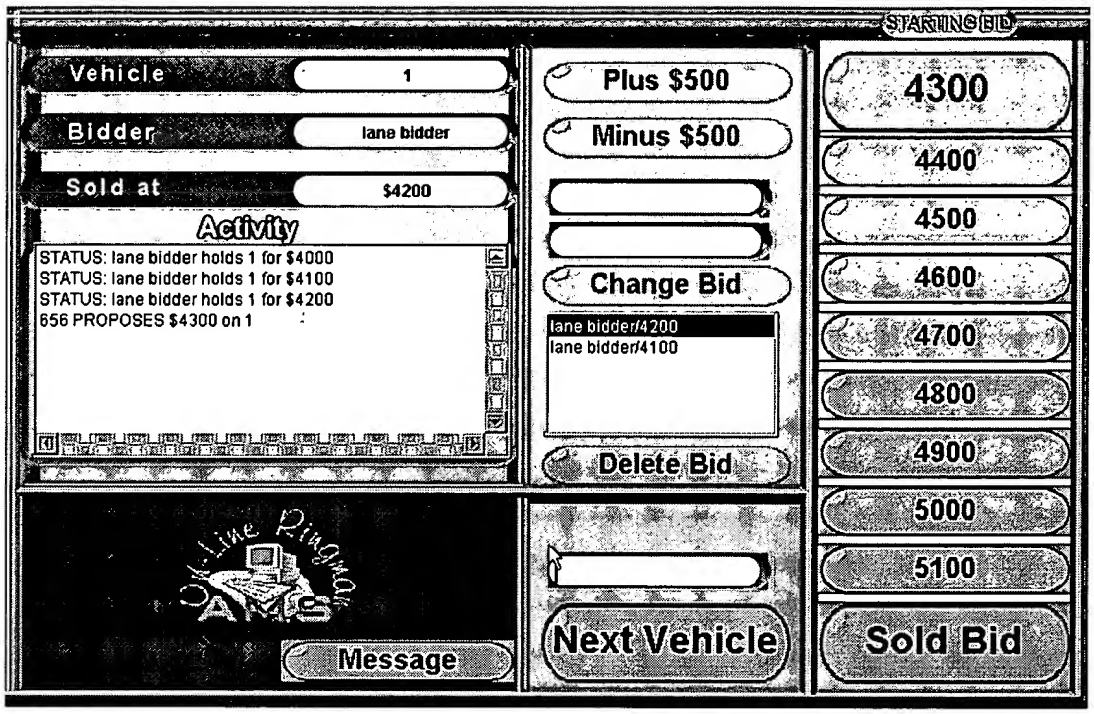


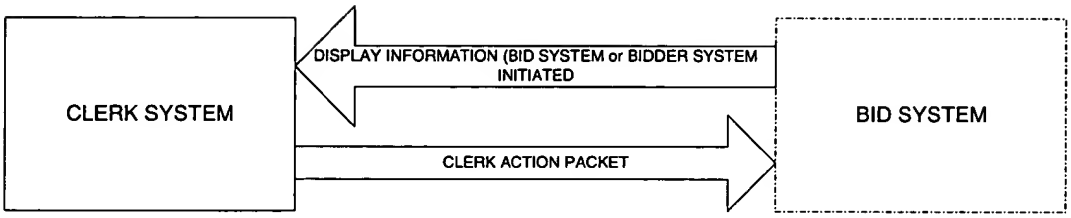
Figure 10A



Reload

Docket No. 4505.4

Figure 10B



0600-4-0500

Figure 10C

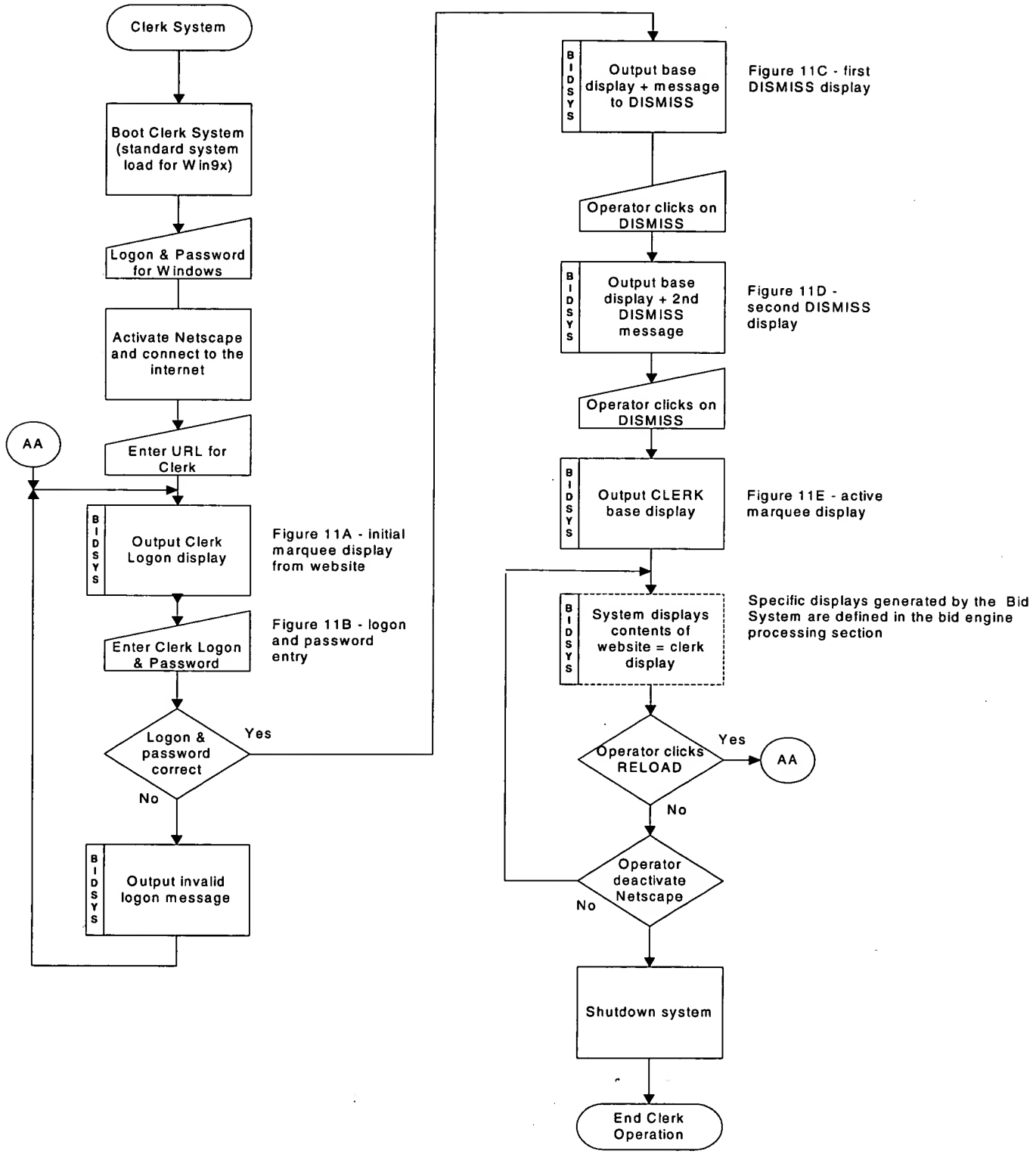

Clerk System
Boot Clerk System (standard system load for Win9x)
Logon & Password for Windows
Activate Netscape and connect to the internet
Enter URL for Clerk
AA
BIDSYS
Output Clerk Logon display
Figure 11A - initial marquee display from website
Enter Clerk Logon & Password
Figure 11B - logon and password entry
Logon & password correct
Yes
No
BIDSYS
Output invalid logon message
BIDSYS
Output base display + message to DISMISS
Figure 11C - first DISMISS display
Operator clicks on DISMISS
BIDSYS
Output base display + 2nd DISMISS message
Figure 11D - second DISMISS display
Operator clicks on DISMISS
BIDSYS
Output CLERK base display
Figure 11E - active marquee display
BIDSYS
System displays contents of website = clerk display
Specific displays generated by the Bid System are defined in the bid engine processing section
Operator clicks RELOAD
Yes
AA
No
Operator deactivate Netscape
No
Shutdown system
End Clerk Operation

Figure 11A

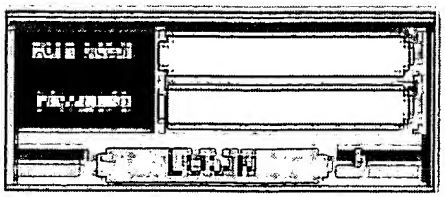


Figure 11B

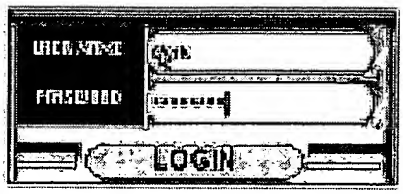


Figure 11C

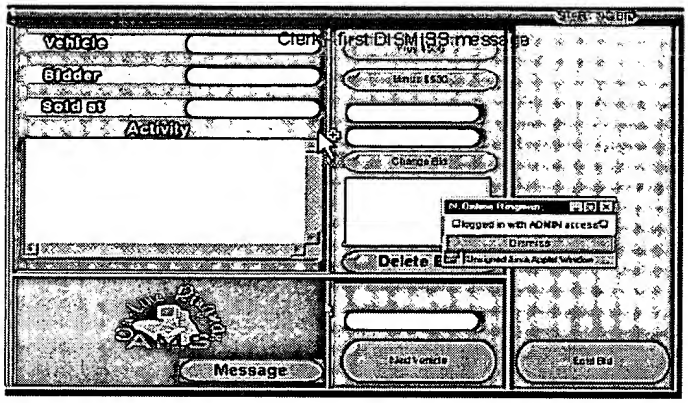
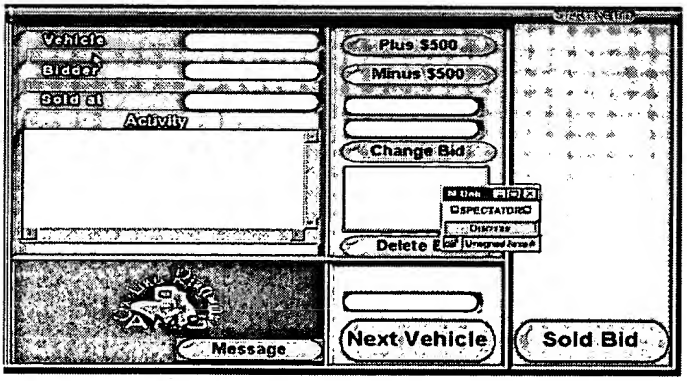
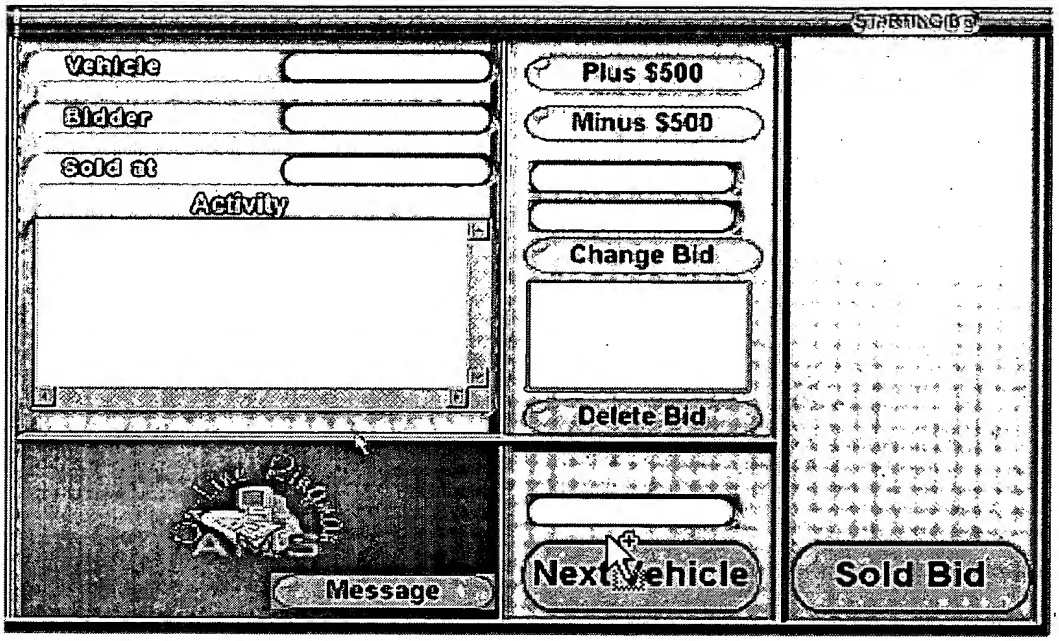


Figure 11D



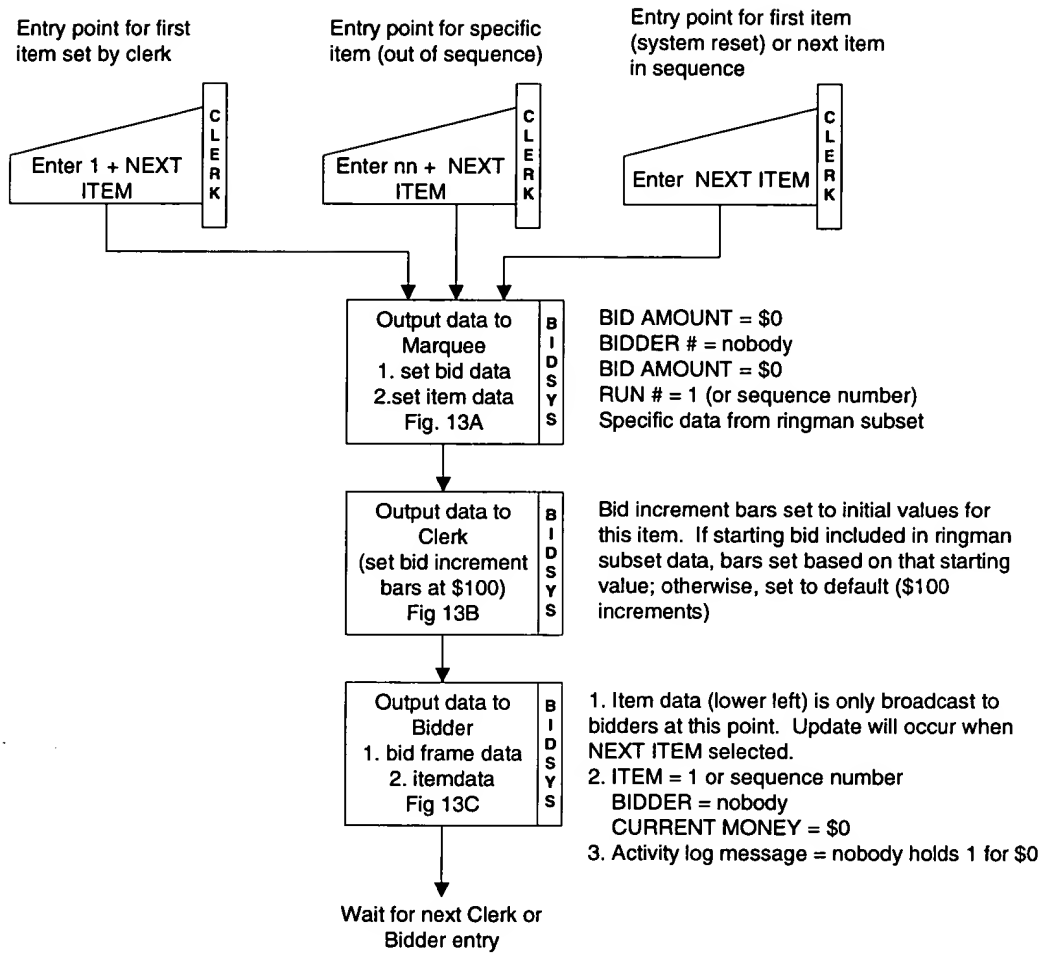
Docket No. 2005-0054

Figure 11E



Copyright

Figure 12



6,000,614 - 05/05/04

Figure 13A

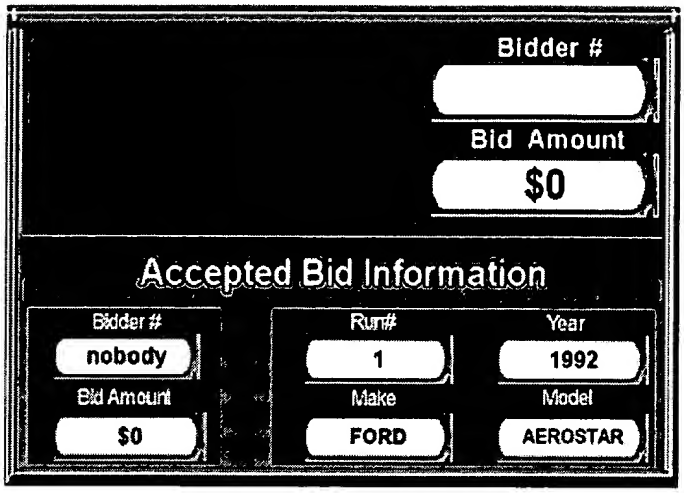


Figure 13B

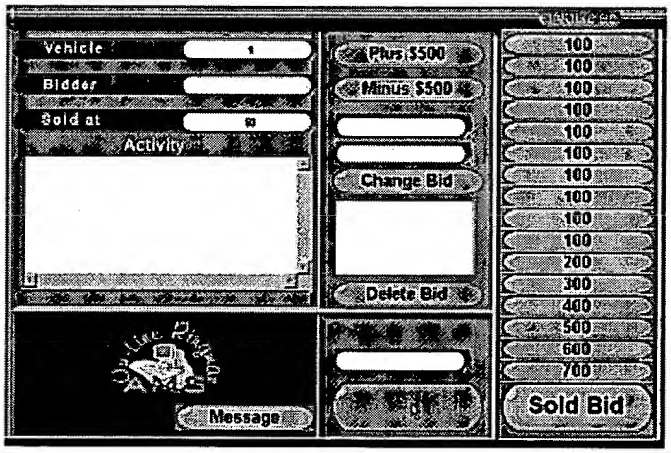
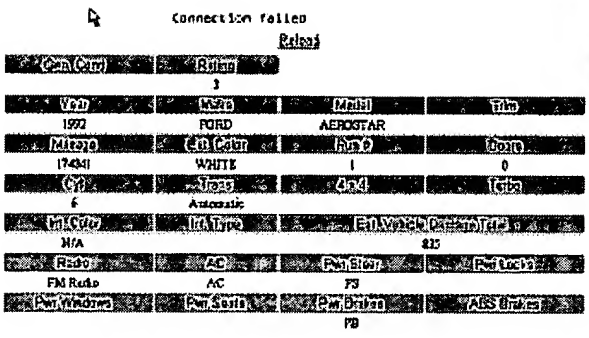


Figure 13C



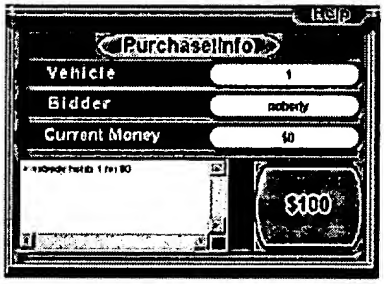


Figure 14

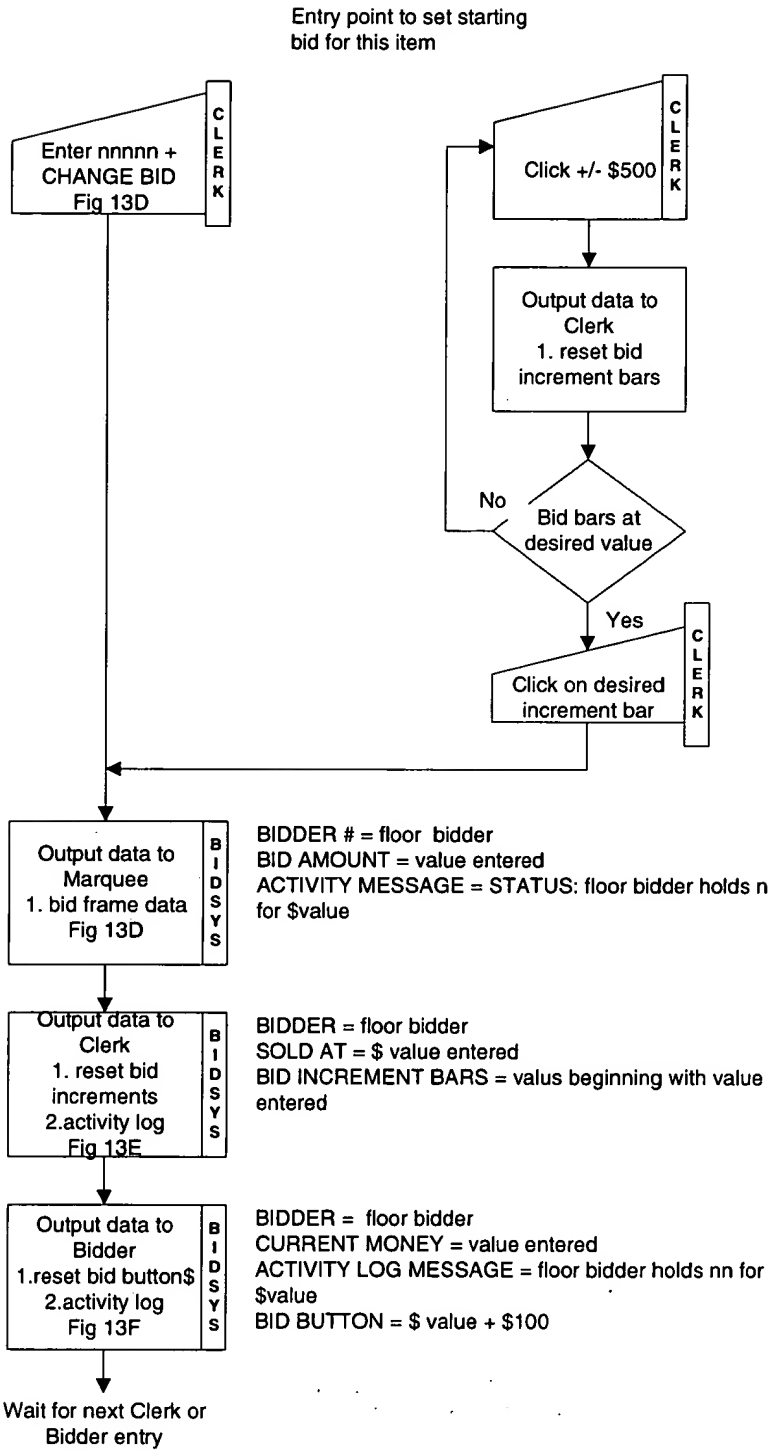

Entry point to set starting bid for this item
Enter nnnnn + CHANGE BID Fig 13D
CLERK
Click +/- $500
CLERK
Output data to Clerk 1. reset bid increment bars
No
Bid bars at desired value
Yes
Click on desired increment bar
CLERK
Output data to Marquee 1. bid frame data Fig 13D
BIDSYS
BIDDER # = floor bidder
BID AMOUNT = value entered
ACTIVITY MESSAGE = STATUS: floor bidder holds n for $value
Output data to Clerk 1. reset bid increments 2.activity log Fig 13E
BIDSYS
BIDDER = floor bidder
SOLD AT = $ value entered
BID INCREMENT BARS = valus beginning with value entered
Output data to Bidder 1.reset bid button$ 2.activity log Fig 13F
BIDSYS
BIDDER = floor bidder
CURRENT MONEY = value entered
ACTIVITY LOG MESSAGE = floor bidder holds nn for $value
BID BUTTON = $ value + $100
Wait for next Clerk or Bidder entry

Figure 13D

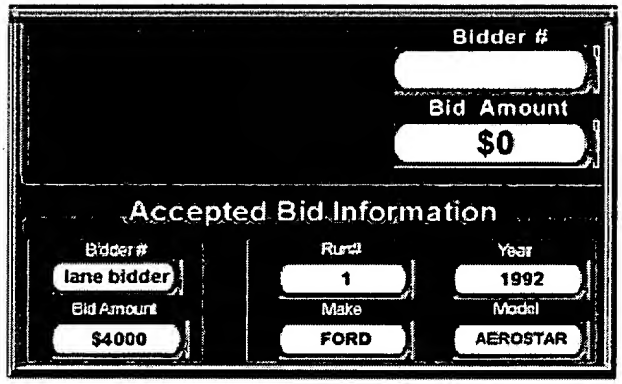


Figure 13E

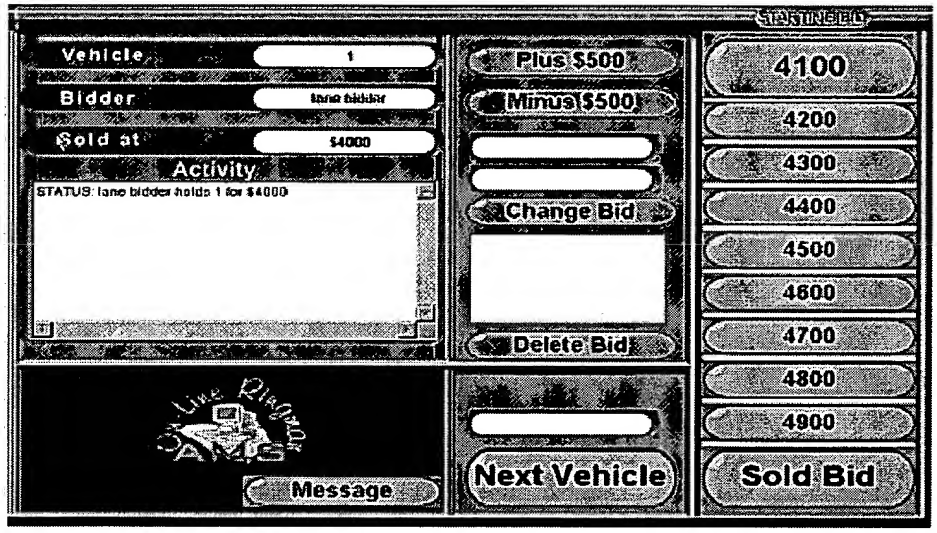


Figure 13F

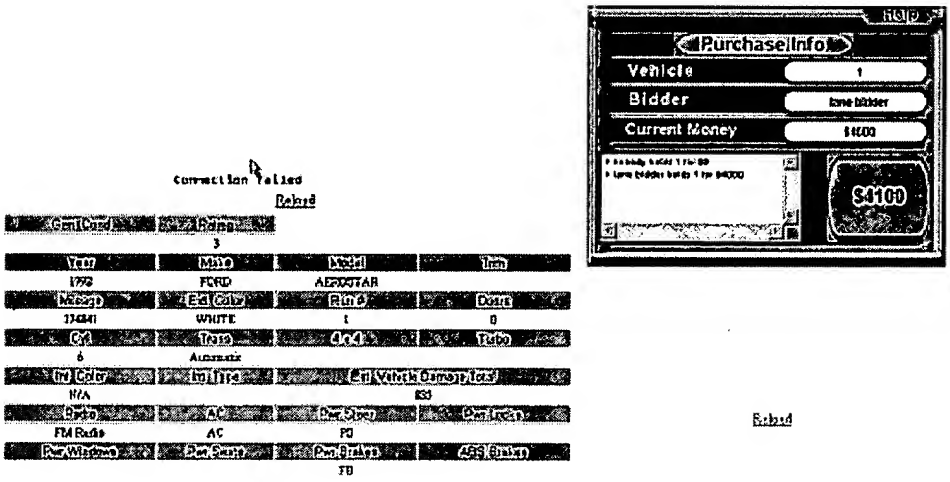


Figure 15

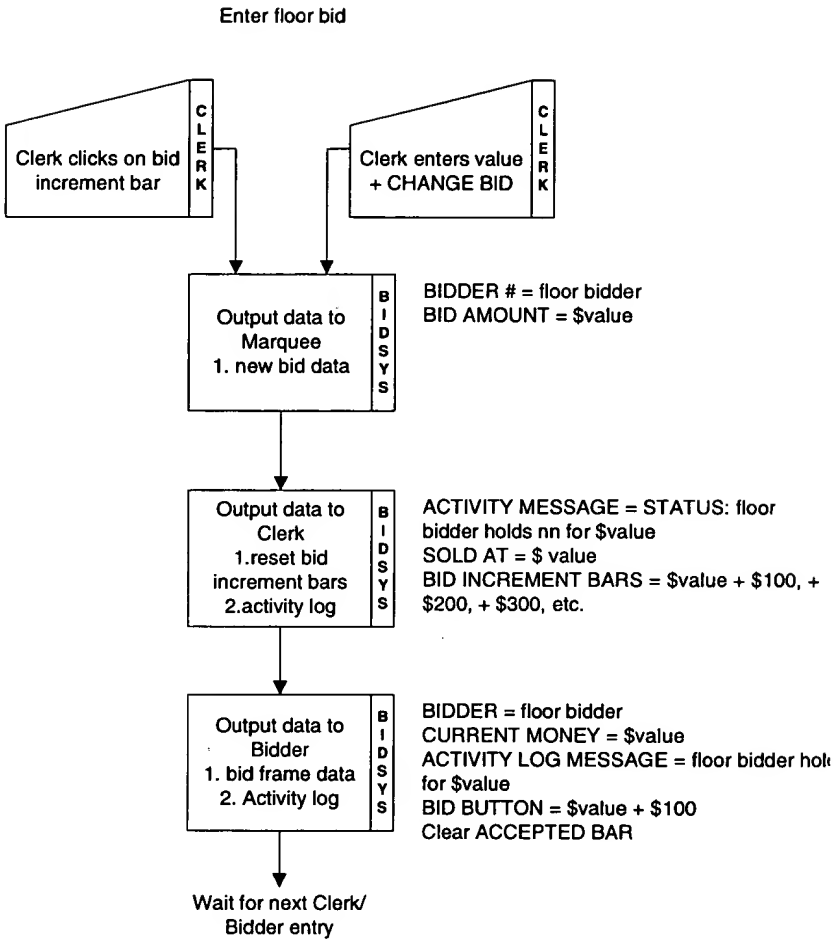

Enter floor bid
Clerk clicks on bid increment bar
CLERK
Clerk enters value + CHANGE BID
CLERK
Output data to Marquee 1. new bid data
BIDSYS
BIDDER # = floor bidder
BID AMOUNT = $value
Output data to Clerk 1.reset bid increment bars 2.activity log
BIDSYS
ACTIVITY MESSAGE = STATUS: floor bidder holds nn for $value
SOLD AT = $ value
BID INCREMENT BARS = $value + $100, + $200, + $300, etc.
Output data to Bidder 1. bid frame data 2. Activity log
BIDSYS
BIDDER = floor bidder
CURRENT MONEY = $value
ACTIVITY LOG MESSAGE = floor bidder hol
for $value
BID BUTTON = $value + $100
Clear ACCEPTED BAR
Wait for next Clerk/ Bidder entry

Figure 16

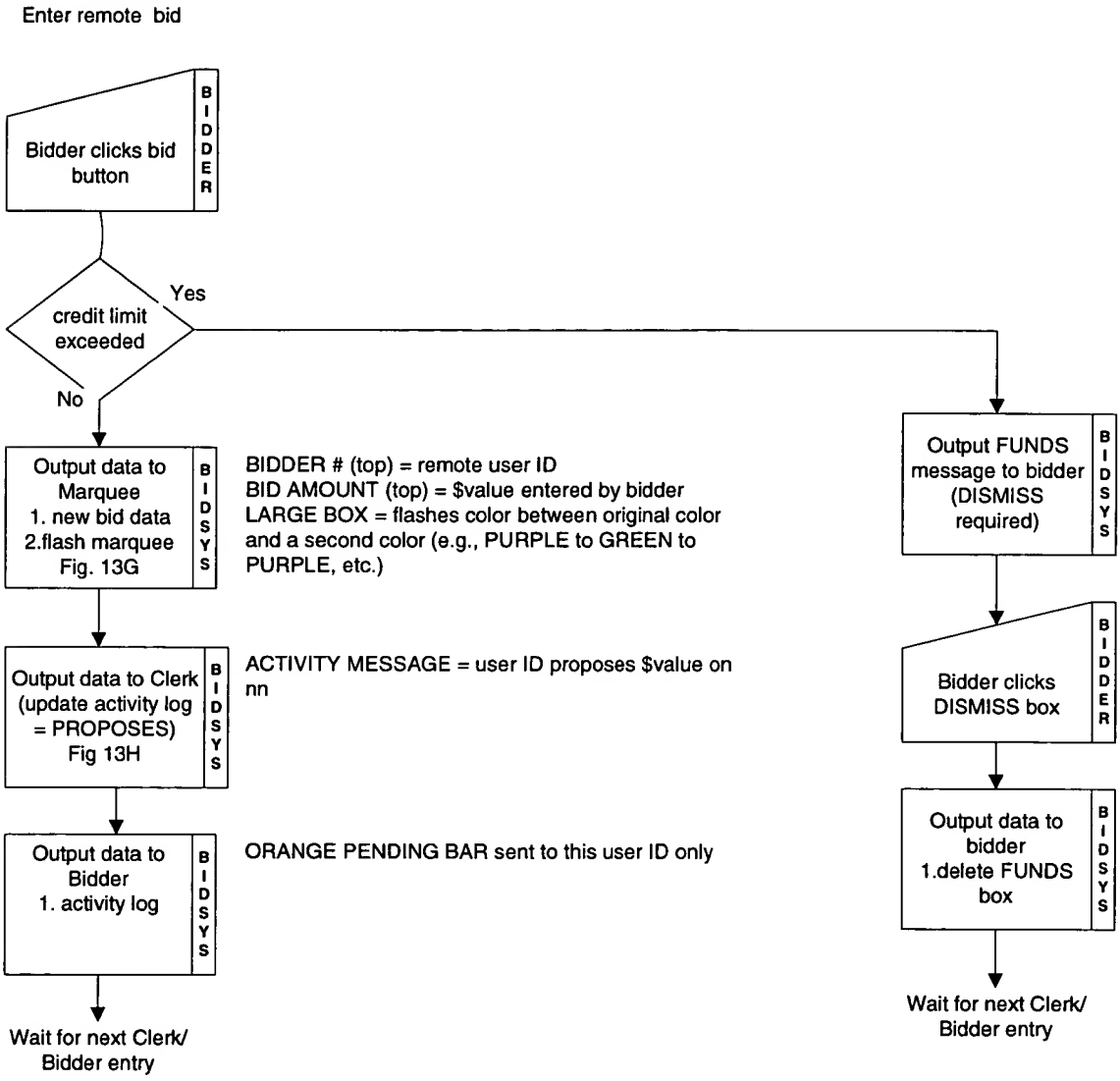

Enter remote bid
Bidder clicks bid button
BIDDER
credit limit exceeded
Yes
No
Output data to Marquee
1. new bid data
2.flash marquee
Fig. 13G
BIDSYS
BIDDER # (top) = remote user ID
BID AMOUNT (top) = $value entered by bidder
LARGE BOX = flashes color between original color and a second color (e.g., PURPLE to GREEN to PURPLE, etc.)
Output data to Clerk (update activity log = PROPOSES) Fig 13H
ACTIVITY MESSAGE = user ID proposes $value on nn
Output data to Bidder
1. activity log
ORANGE PENDING BAR sent to this user ID only
Wait for next Clerk/ Bidder entry
Output FUNDS message to bidder (DISMISS required)
Bidder clicks DISMISS box
Output data to bidder
1.delete FUNDS box
Wait for next Clerk/ Bidder entry

Figure 13G

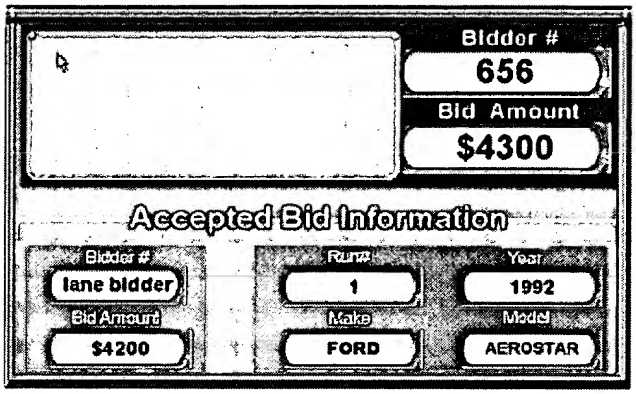


Figure 13H

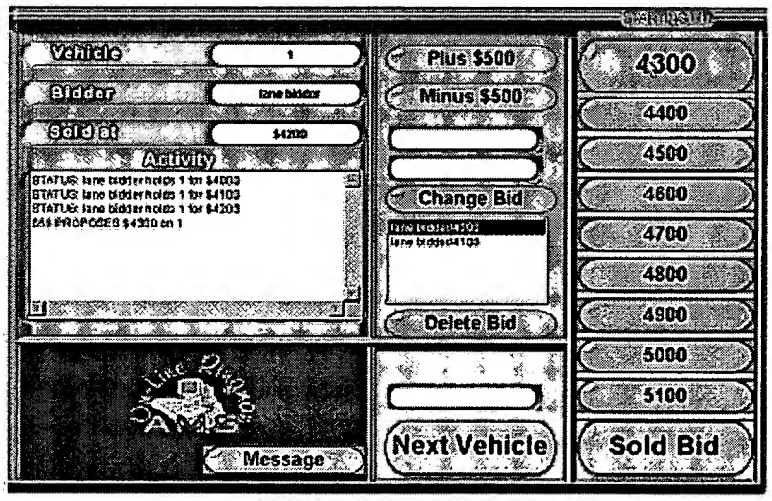
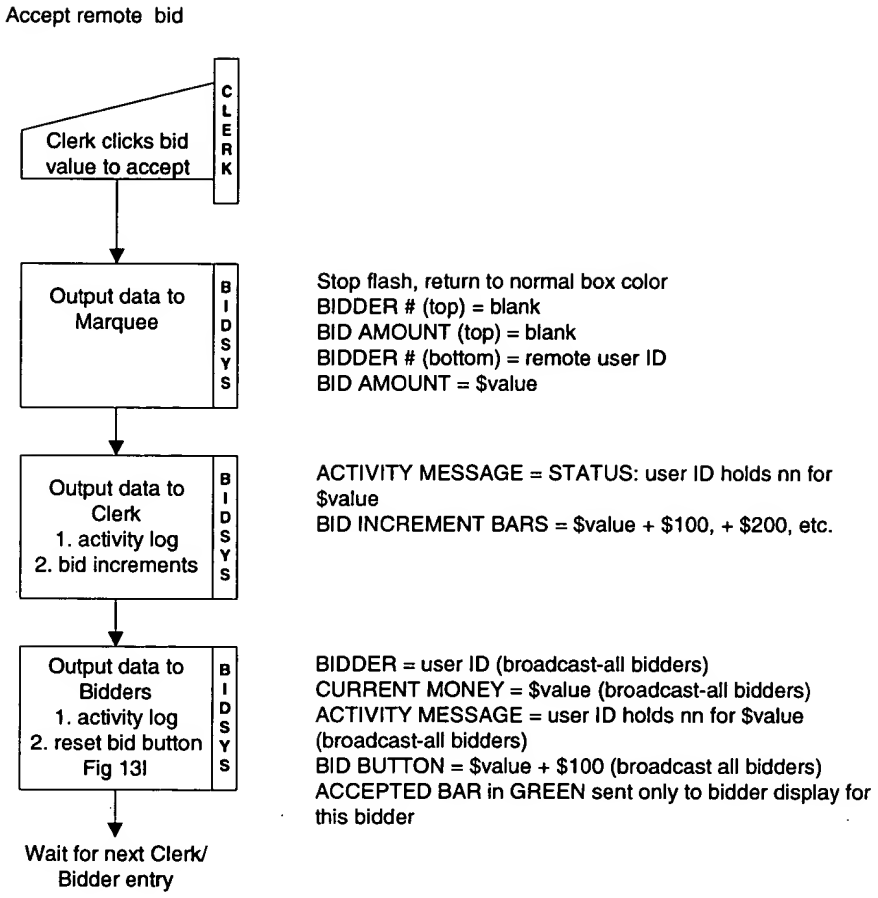
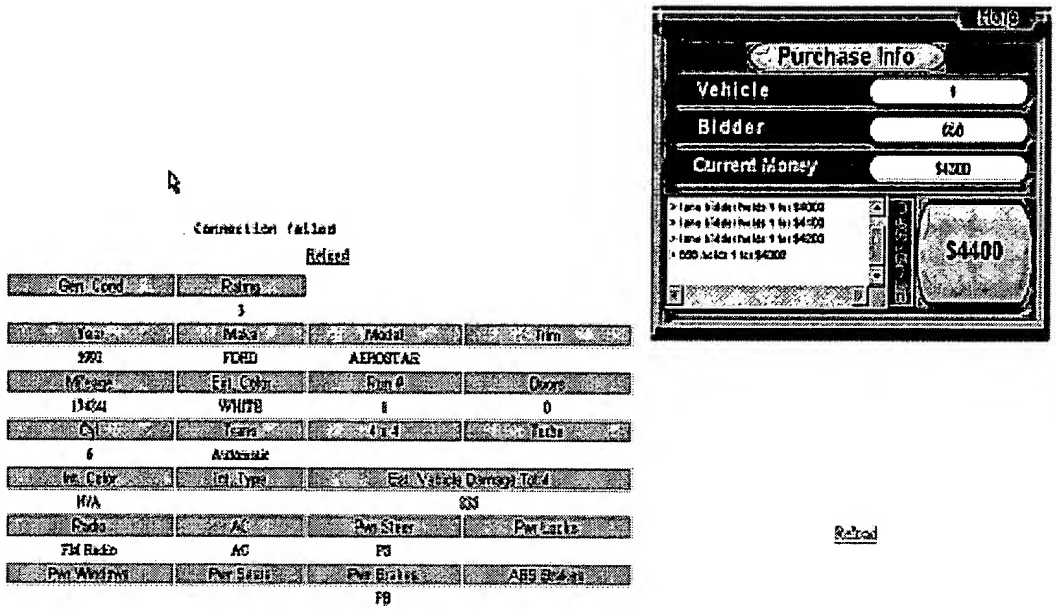


Figure 17



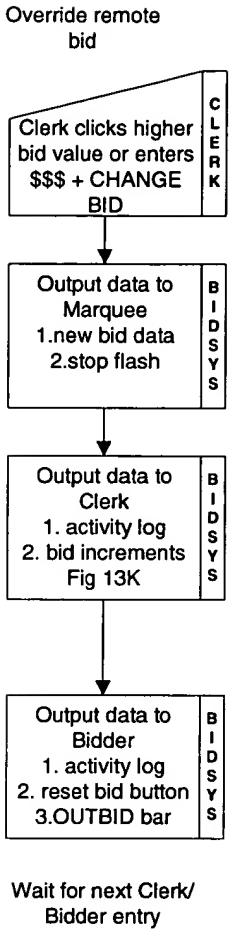
US 6,604,084 B1

Figure 13I



05054894.0202

Figure 18



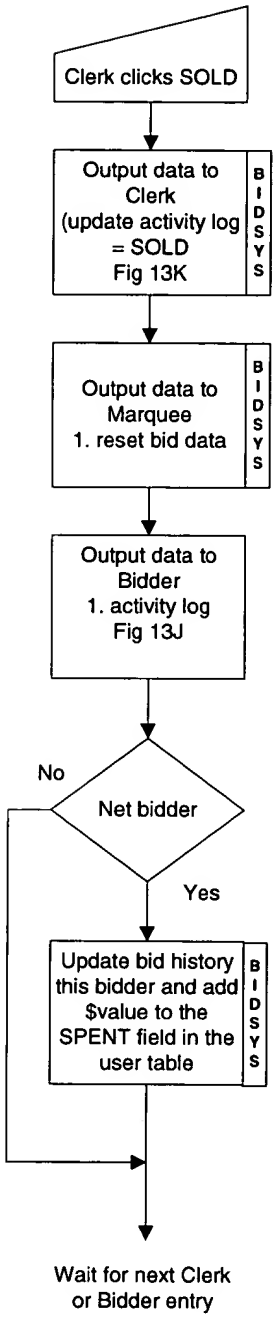
BIDDER # (top) = blank
BID AMOUNT (top) = blank
BIDDER # (bottom) = lane bidder
BID AMOUNT (bottom) = $value entered

BIDDER = lane bidder
SOLD AT = $value
ACTIVITY MESSAGE = STATUS: floor bidder holds nn for $value entered
MESSAGE BOX = floor bidder $value entered
BID INCREMENT BARS = $value entered + $100, + $200, + $300, etc.

BIDDER = floor bidder (broadcast-all bidders)
CURRENT MONEY = $value entered (broadcast-all bidders)
ACTIVITY MESSAGE + floor bidder holds nn for $value broadcast-all bidders)
BID BUTTON = $value + $100 (broadcast-all bidders)
PENDING changed to OUTBID BAR in RED for this userID only

5,860,863

Figure 19



BIDDER = FLOOR bidder or internet user ID
SOLD AT = $value
ACTIVITY MESSAGE = SOLD: FLOOR bidder or user ID takes nn for $value
Clear BID INCREMENT BAR area (reset to background color)

No changes

Broadcast to all bidders
ACTIVITY MESSAGE = SOLD: floor bidder or user ID talkes nn for $value
Clear any ACCEPTED, OUTBID, or PENDING BARS

5808454.050504

Figure 13J

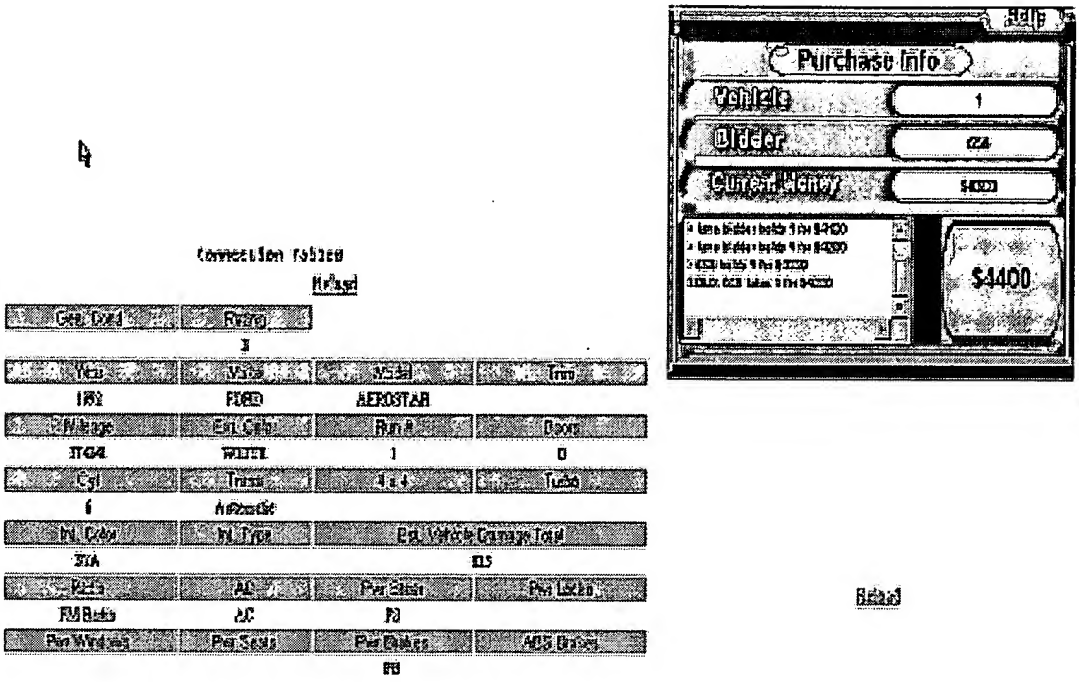


Figure 13K

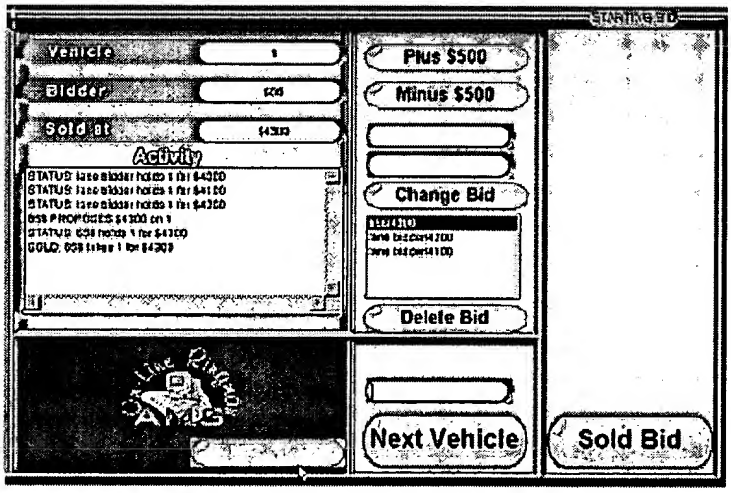


Figure 20

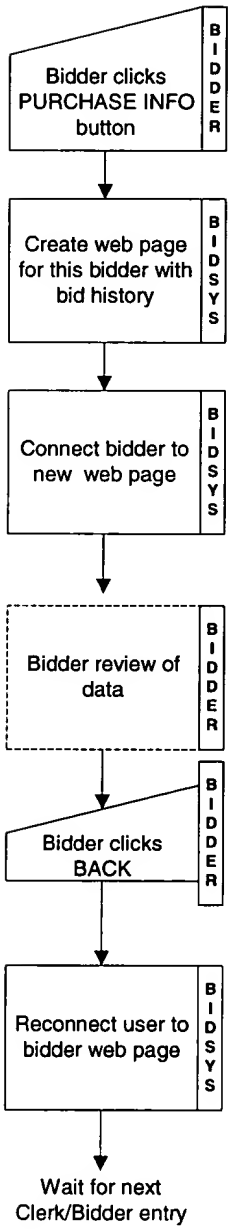
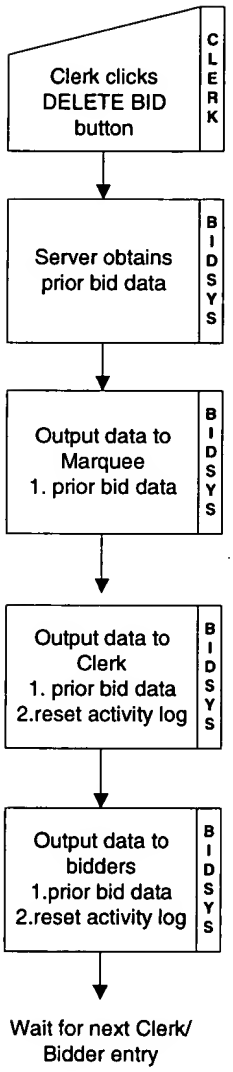
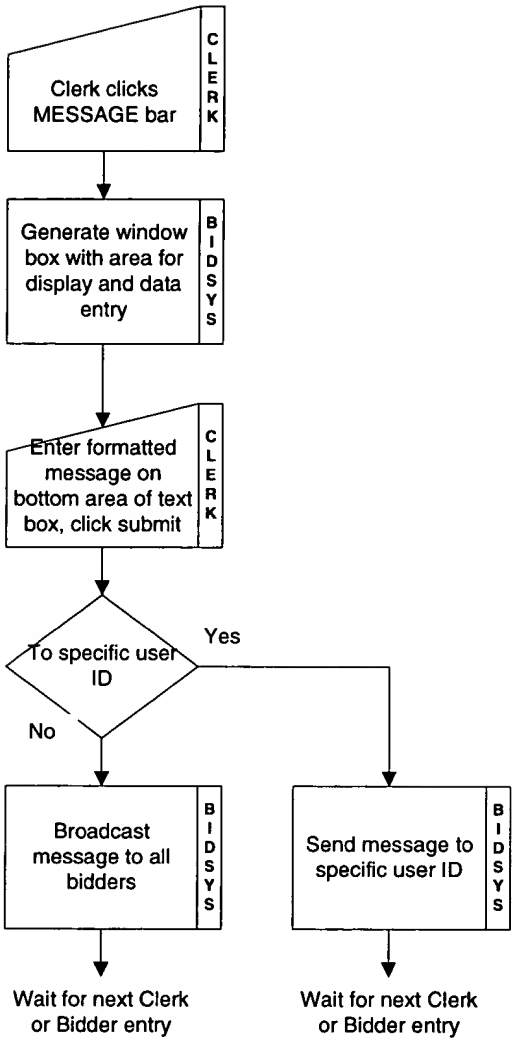

Bidder clicks PURCHASE INFO button
BIDDER
Create web page for this bidder with bid history
BIDSYS
Connect bidder to new web page
BIDSYS
Bidder review of data
BIDDER
Bidder clicks BACK
BIDDER
Reconnect user to bidder web page
BIDSYS
Wait for next Clerk/Bidder entry

Figure 21



0808484.020502

Figure 22



D8605454 - 050504

Figur 22A

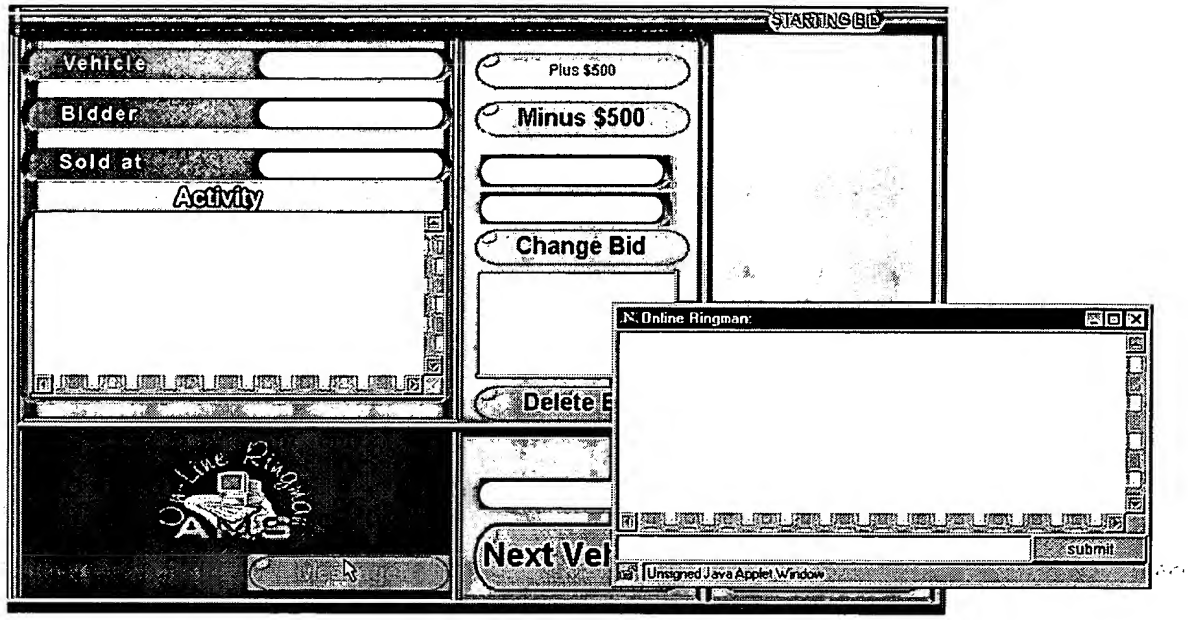

STARTING BID
Vehicle
Bidder
Sold at
Activity
Plus $500
Minus $500
Change Bid
Online Ringman:
submit
Unsigned Java Applet Window

Figure 23A

Connection failed

Reload

Car #	Ext. Color	YR	Model	Doors	Eng
2	BLACK	1997	CAMRY LE	4	4
Trn	**Int. Type**	**Miles**	**Condition**	**Grade**	**AC**
Automatic	GRAY	54361			AC
VIN			**Radio**	**Make**	
4T1BG22K6VU758242			Tape	TOYOTA	

Reload

Figure 23B

Connection failed

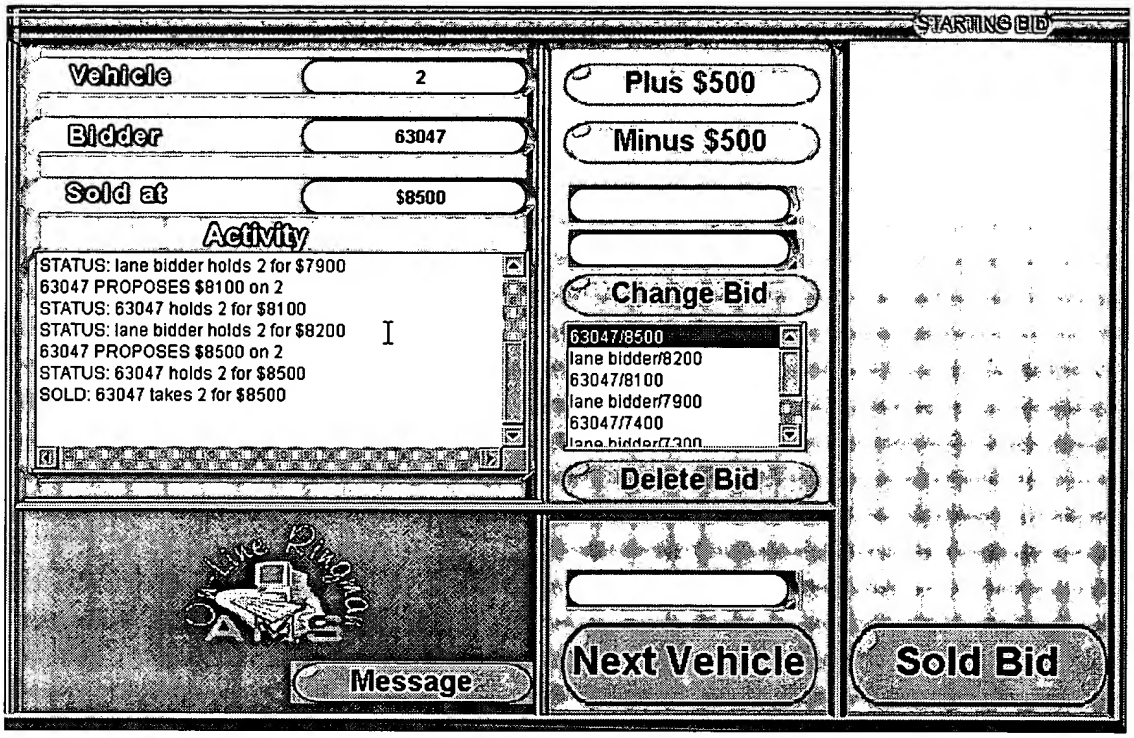
Reload

Car #	Ext. Color	YR	Model	Doors	Eng
3	GRAY	1997	CAMRY LE	4	4
Trn	**Int. Type**	**Miles**	**Condition**	**Grade**	**AC**
Automatic	GRAY	55088			AC
VIN			**Radio**	**Make**	
4T1BG22K1VU050688			CD	TOYOTA	

Reload

Docket No. 50277-0305

Figure 23C



Reload

05004534.05050

Figure 24A

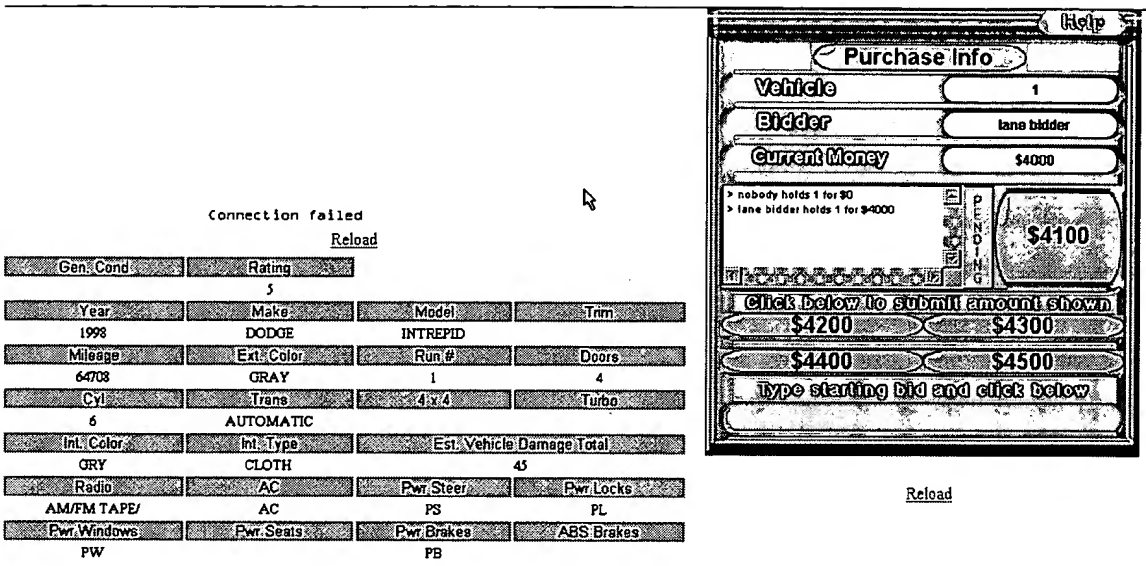


Figure 24B

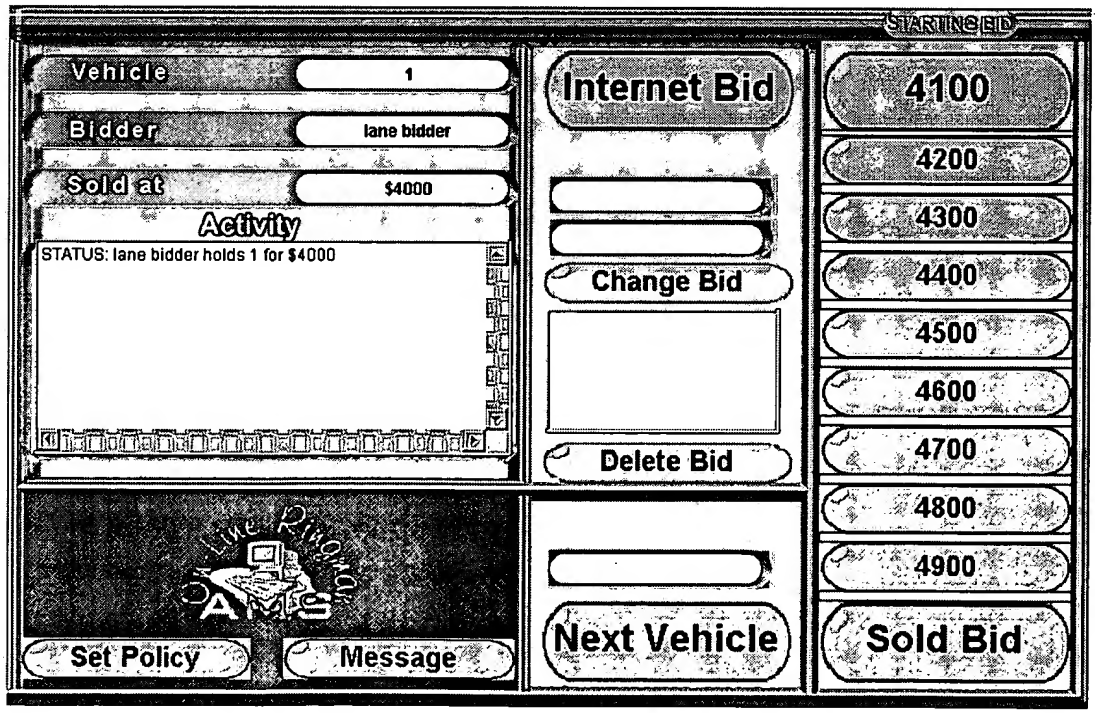


Figure 25A

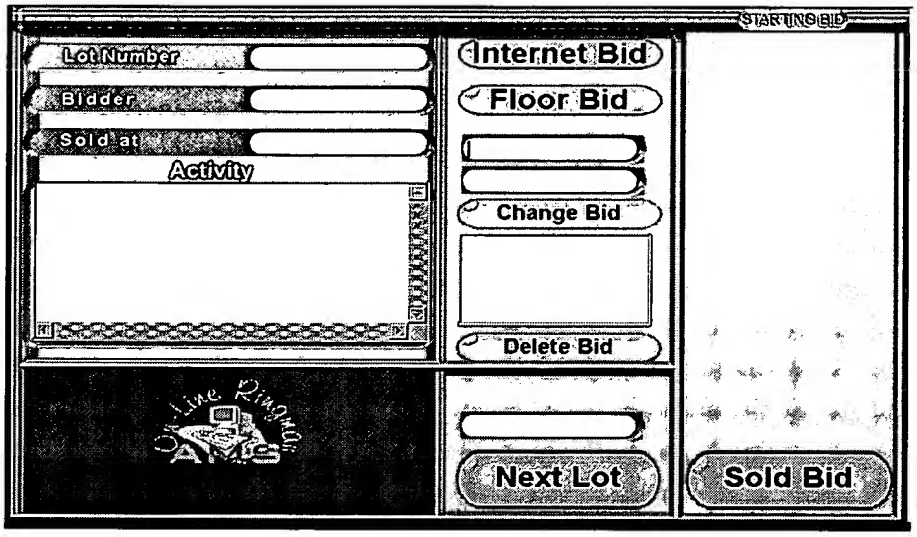
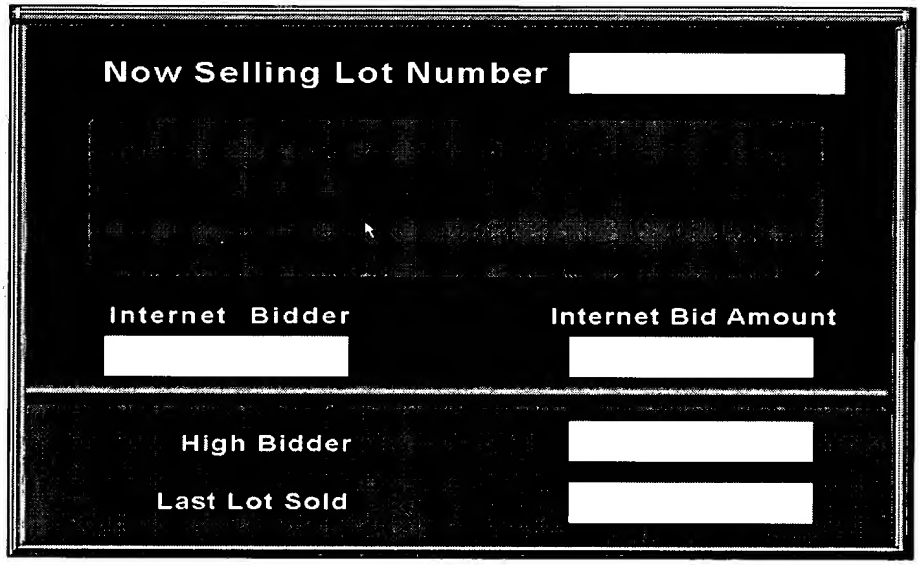
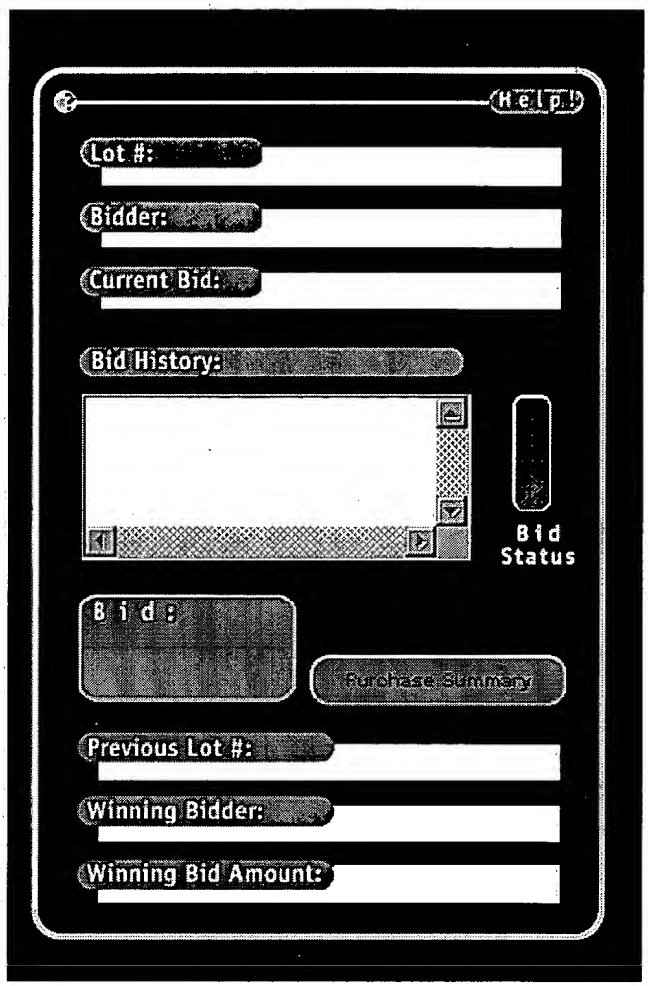


Figure 25B



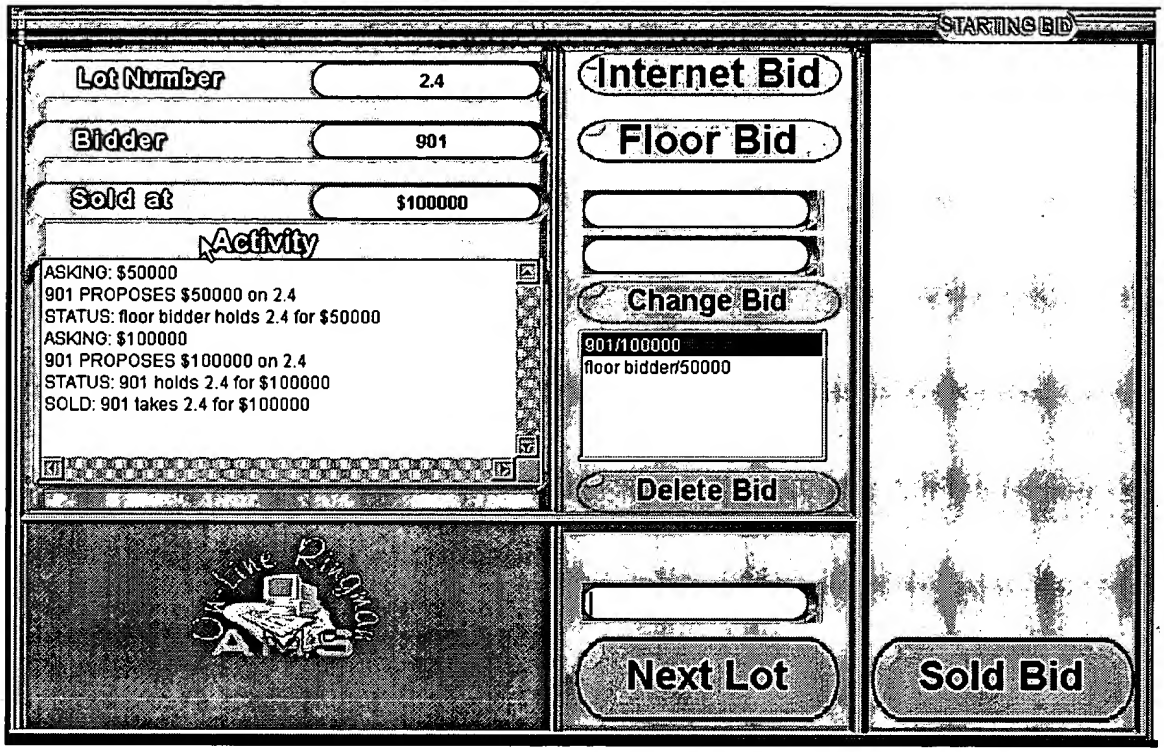
05054947.05525

Figure 25C



05054.0252

Figure 26



5,905,975 - 05052004

Figure 27

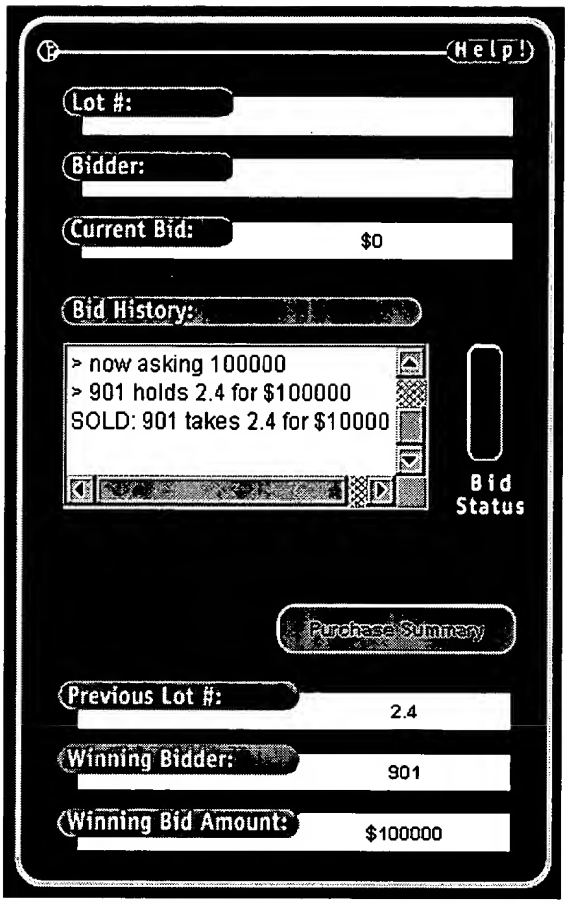

Help!
Lot #:
Bidder:
Current Bid:
$0
Bid History:
> now asking 100000
> 901 holds 2.4 for $100000
SOLD: 901 takes 2.4 for $10000
Bid Status
Purchase Summary
Previous Lot #:
2.4
Winning Bidder:
901
Winning Bid Amount:
$100000

Figure 28

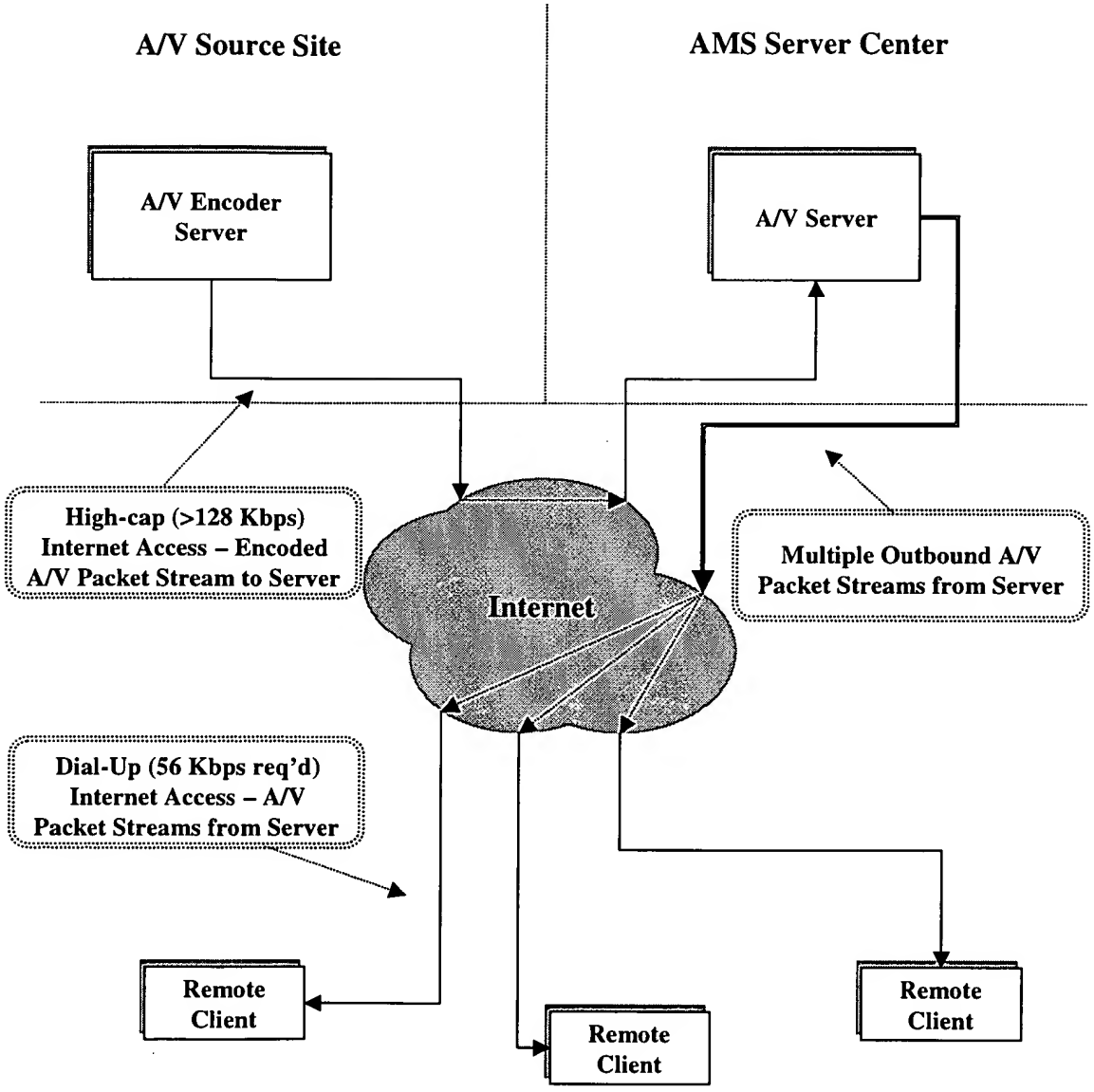
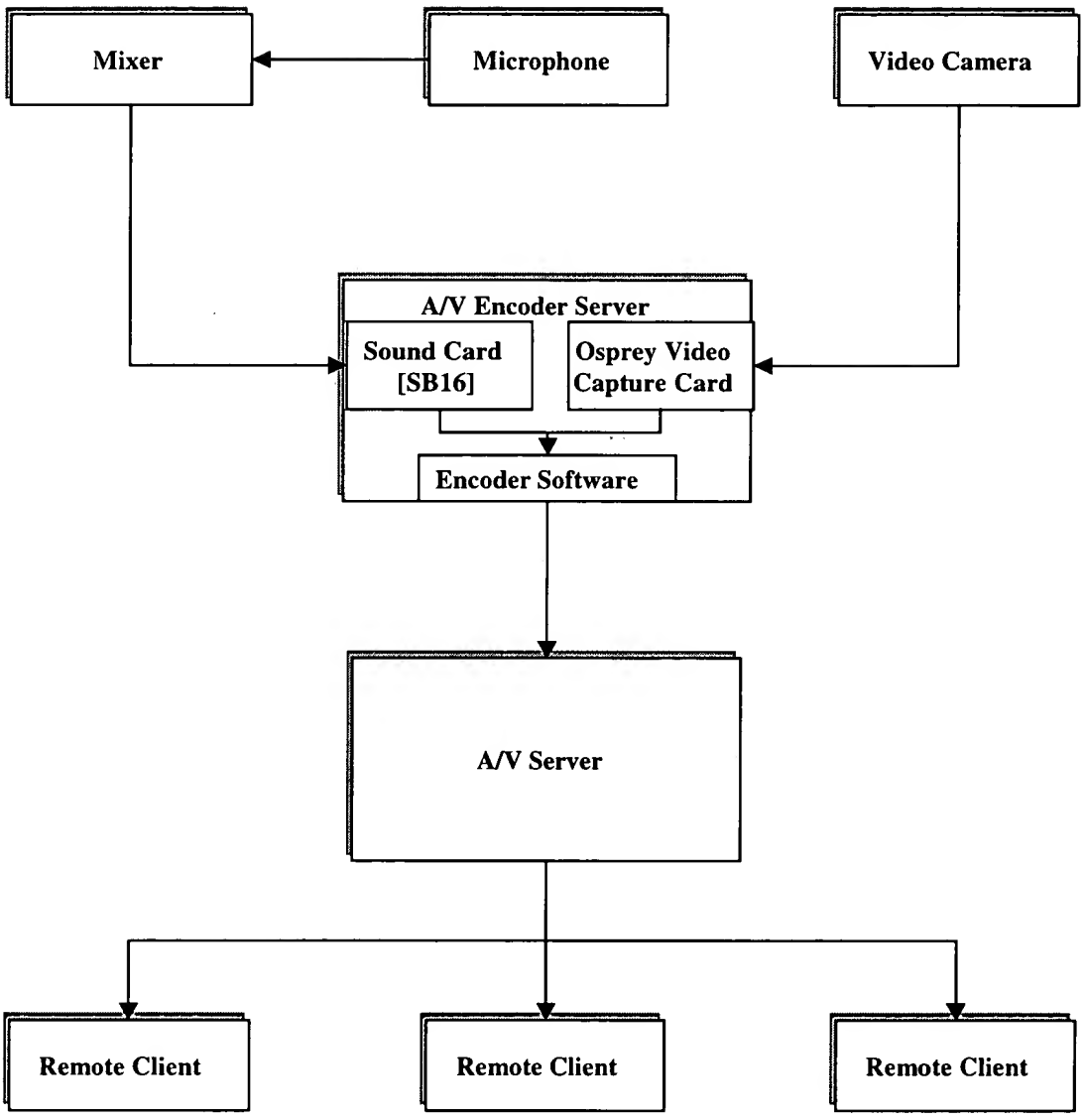

A/V Source Site
AMS Server Center
A/V Encoder Server
A/V Server
High-cap (>128 Kbps) Internet Access – Encoded A/V Packet Stream to Server
Internet
Multiple Outbound A/V Packet Streams from Server
Dial-Up (56 Kbps req'd) Internet Access – A/V Packet Streams from Server
Remote Client
Remote Client
Remote Client

Figure 29


Mixer
Microphone
Video Camera
A/V Encoder Server
Sound Card [SB16]
Osprey Video Capture Card
Encoder Software
A/V Server
Remote Client
Remote Client
Remote Client